DEPARTMENT OF SAFETY AND INSPECTIONS
Ricardo X. Cervantes, Director

CITY OF SAINT PAUL
Christopher B. Coleman, Mayor

375 Jackson Street, Suite 220
Saint Paul, Minnesota 55101-1806

Telephone: 651-266-8989
Facsimile: 651-266-9124
Web: www.stpaul.gov/dsi

Code Compliance Report

April 12, 2012

Housing and Redevelopment
25 W 4th St Ste 1300
St Paul MN 55102

Re: 971 Fremont Ave
File#: 11 109309 VB2

Dear Property Owner:

The following is the Code Compliance report you requested on February 13, 2012.

Please be advised that this report is accurate and correct as of the date April 12, 2012. All deficiencies identified by the City after this date must also be corrected and all codes and ordinances must be complied with. This report is valid for 365 days from April 12, 2012. This report may be used in lieu of a Truth in Housing Report required in St Paul Legislative Code 189. This building must be properly secured and the property maintained at all times.

In order to sell or reoccupy this property the following deficiencies must be corrected:

BUILDING Inspector: Jim Seeger Phone: 651-266-9046

- Dry out basement and eliminate source of moisture.
- Remove mold, mildew and moldy or water damaged materials.
- Install handrails (34 inches - 38 inches above each nosing) and guardrails (36 inch minimum) at all stairways, and return hand rail ends into a newel post or wall per attachment.
- Provide complete storms and screens, in good repair for all door and window openings.
- Provide functional hardware at all doors and windows
- Exit doors shall be capable of being opened from the inside, easily and without the use of a key. Remove all surface bolts.
- Repair or replace damaged doors and frames as necessary, including storm doors.
- Weather seal exterior doors, threshold and weather-stripping.
- Repair walls, ceiling and floors throughout, as necessary.
- Prepare and paint interior and exterior as necessary. Observe necessary abatement procedures (EPA, MPCA and St. Paul Legislative Code, Chapter 34 for additional information) if lead base paint is present.
- Provide fire block construction as necessary and seal chases in basement ceiling.
- Air-seal and insulate attic/access door.

BUILDING Inspector: Jim Seeger Phone: 651-266-9046

- Install Smoke Detectors/Carbon Monoxide Detectors per MN Conservation Code and the MN Dept. of Labor and Industry: Install per code where feasible.
- Provide major clean-up of premises.
- Repair siding, soffit, fascia, trim, etc. as necessary.
- Provide proper drainage around house to direct water away from foundation of house.
- Provide proper drainage around house to direct water away from foundation of garage.
- Install downspouts and a complete gutter system.
- Install rain leaders to direct drainage away from foundation.
- Install flashing in an approved manner at the intersection of the roof with walls, chimneys, and other conjoined surfaces.
- Provide general rehabilitation of garage.
- Review all applicable codes & policies when replacing windows including egress windows for sleeping rooms.
- Remove trees which are against foundation of home and garage.
- Remove all wall, ceiling and floor covering from basement.
- Second floor has no legal egress windows.
- Install tempered glass in window at top of second floor stairs.
- Install new floor in first floor vanity in bathroom.
- Replace front sidewalk at street steps at top.
- Properly repair and sister garage ceiling joist.
- Install 1 hour fire wall at west side of garage.
- Install drop edge on house.
- Have house tested for mold when done. Provide documentation.
- A building permit is required to correct the above deficiencies.

ELECTRICAL Inspector: Dan Moynihan Phone: 651-266-9036

- Ground the electrical service to the water service with a copper conductor within 5 feet of the entrance point of the water service
- Bond around water meter with a copper wire sized for the electrical service per Article 250 of the NEC
- Install/replace GFCI receptacle in basement bathroom adjacent to the sink
- Ground bathroom light in first floor bathroom.
- Install globe-type enclosed light fixture on all closet lights
- Remove all cord wiring
- Repair or Replace all broken, missing or loose light fixtures, switches and outlets, covers and plates
- Check all outlets for proper polarity and verify ground on 3-prong outlets. No power at time of inspection.
- Install hard-wired, battery backup smoke detector per bulletin 80-1 and other smoke detectors as required by the IRC. Also, Install carbon monoxide detector(s) within 10 feet of all bedrooms
- Remove and or/ re-wire all illegal, improper or hazardous wiring in basement/garage.

ELECTRICAL Inspector: Dan Moynihan Phone: 651-266-9036

- Install box extensions on devices in wood paneling.
- Based on repair list purchase permit for 7 circuits.
- All added receptacles must be grounded, tamper-resistant and be on an Arc-Fault Circuit Interrupter-protected circuit.
- Any open walls or walls that are opened as part of this project must be wired to the standards of the current NEC.
- All buildings on the property must meet the St. Paul Property Maintenance Code (Bulletin 80-1).
- All electrical work must be done by a Minnesota-licensed electrical contractor under an electrical permit.

PLUMBING Inspector: Rick Jacobs Phone: 651-266-9054

- Basement - Water Heater - No gas shut off or gas piping incorrect (IFGC 402.1)
- Basement - Water Heater - Vent must be in chimney liner (IFGC 501.12)
- Basement - Water Heater - Water piping incorrect (MPC 1730 Subp. 1)
- Basement - Water Heater - gas venting incorrect (IFGC 503)
- Basement - Water Heater - not fired or in service (MPC 2180)
- Basement - Water Piping - improper fittings or usage (MPC 0420)
- Basement - Water Piping - improper piping or usage (MPC 0520)
- Basement - Water Piping - provide water piping to all fixtures and appliances (MPC 1700) also replace missing water piping to code.
- Basement - Water Piping - repair or replace all corroded, broken or leaking piping (MPC 4715.1720)
- Basement - Water Piping - run 1 inch water line from meter to first major take off (SPRWS Water Code)
- Basement - Water Meter - verify service valves function properly.
- Basement - Soil and Waste Piping - remove basement fixture waste into clean out and re pipe correctly.
- Basement - Soil and Waste Piping - no front sewer clean out (MPC 1000)
- Basement - Soil and Waste Piping - replace corroded cast iron or steel waste piping (MPC 0200)
- Basement - Soil and Waste Piping - unplugged or open piping; back pitched piping (MPC 1000)
- Basement - Gas Piping - dryer gas shutoff; connector or piping incorrect (IFGC 402.1)
- Basement - Gas Piping - replace improper piping or fittings (IFGC 406.1.2)
- Basement - Gas Piping - run dryer vent to code (IFGC 613.1 - IMC 604.1)
- Basement - Laundry Tub - provide a vacuum breaker for the spout (MPC 2000 B)
- Basement - Laundry Tub - waste incorrect (MPC 2300)
- Basement - Lavatory - unvented (MPC 0200. E)
- Basement - Lavatory - waste incorrect (MPC 2300)
- Basement - Lavatory - water piping incorrect (MPC 0200 P.)
- Basement - Sink - unvented (MPC 0200. E)

PLUMBING **Inspector: Rick Jacobs** **Phone: 651-266-9054**

- Basement - Sink - waste incorrect (MPC 2300)
- Basement - Sink - water piping incorrect (MPC 0200 P.)
- Basement - Soil and Waste Piping - improper connections, transitions, fittings or pipe usage (MPC 2420)
- Basement - Soil and Waste Piping - improper pipe supports (MPC 1430 Subp. 4)
- Basement - Toilet Facilities - unvented (MPC 0200. E) also reset toilet to floor.
- Basement - Toilet Facilities - waste incorrect (MPC 2300)
- Basement - Toilet Facilities - water piping incorrect (MPC 0200 P.)
- First Floor - Lavatory - waste incorrect (MPC 2300)
- First Floor - Sink - faucet is missing, broken or parts missing (MPC 0200.P.)
- First Floor - Sink - unvented (MPC 0200. E)
- First Floor - Sink - waste incorrect (MPC 2300) also properly cap any open waste piping.
- First Floor - Toilet Facilities - waste incorrect (MPC 2300) also reset toilet to floor.
- First Floor - Tub and Shower - incorrectly vented (MPC 2500)
- First Floor - Tub and Shower - provide stopper (MPC 1240)
- First Floor - Tub and Shower - replace waste and overflow (MPC 1240)
- First Floor - Tub and Shower - waste incorrect (MPC 2300)
- First Floor - Tub and Shower - water piping incorrect (MPC 0200 P.)
- Exterior - Lawn Hydrants - Requires backflow assembly or device (MPC 2000)
- Exterior - Rain Leader - Not properly plugged or capped off
- First Floor - Gas Piping - range gas shut off; connector or piping incorrect (IFGC 411 1.3.3)
- Comments: - The basement bathroom fixtures were installed without a permit and never inspected. Obtain the proper permits and provide access to all plumbing for proper inspections for the basement bathroom.
- Obtain plumbing permits prior to commencement of work.

HEATING **Inspector: Maureen Hanson** **Phone: 651-266-9043**

- Install approved lever handle manual building shutoff gas valve in an accessible location ahead of the first brach tee
- Clean and Orsat test furnace burner. Check all controls for proper operation. Check furnace heat exchanger for leak; provide documentation from a licensed contractor that the heating unit is safe
- Install approved metal chimney liner for the water heater.
- Vent clothes dryer to code
- Provide adequate combustion air and support duct to code
- Provide support for gas lines to code
- Plug, cap and/or remove all disconnected gas lines
- Provide a window in the bathrooms with an aggregate glazing area of not less than 3 square feet, one-half of which must be openable or provide exhaust system vented to outside. A mechanical ventilation permit is required if an exhaust system is installed.

HEATING **Inspector: Maureen Hanson** **Phone: 651-266-9043**

- All supply and return ducts for warm air heating system must be clean before final approval for occupancy. Provide access for inspection of inside of ducts or provide documentation from a licensed duct-cleaning contractor that the duct system has been cleaned.
- Repair and/or replace heating registers as necessary
- Provide heat in every habitable room and bathrooms
- Verify that A/C system is in working order.
- Mechanical gas permit is required for the above work.

ZONING

1. This property is in a(n) RT1 zoning district.
2. This property was inspected as a Single Family Dwelling.

Notes:

- See attachment for permit requirements and appeals procedure.
- Most of the roof covering could not be inspected from grade. Recommend this be done before rehabilitation is attempted.

This is a registered vacant building. In order to sell or reoccupy this building, all deficiencies listed on this code compliance report must be corrected in accordance with the Minimum Housing Standards of the St. Paul Legislative Code (Chapter 34) and all required permits must receive final approval within six (6) months of the date of this report. One (1) six-month time extension may be requested by the owner and will be considered if it can be shown that the code compliance work is proceeding and is more than fifty (50) percent complete in accordance with Legislative Code Section 33.03(f).

You may file an appeal to this notice by contacting the City Clerk's Office at 651-266-8688. Any appeal must be made in writing within 10 days of this notice. (You must submit a copy of this notice when you appeal, and pay a filing fee.)

If you have any questions regarding this inspection report, please contact Jim Seeger between 7:30 - 9:00 AM at 651-266-9046 or leave a voice mail message.

Sincerely,

James L. Seeger, Code Compliance Officer
Phone: 651-266-9046
Email: james.seeger@ci.stpaul.mn.us

JLS:ml
Attachments

orporated
5043
Phone: 651-436-2930 Fax: 651-436-3918

January 25, 2012

Cynthia Carlson Heins
Real Estate Manager
Planning and Economic Development
Suite 1100, 25 West 4th Street
Saint Paul, MN 55102

RE: Asbestos Survey
971 Fremont Ave., St. Paul, MN
1596-12S-K

Dear Ms. Cynthia Carlson Heins:

AllPhase Companies, Incorporated, (AllPhase) performed an asbestos survey at the above referenced site in connection with a renovation in order to identify Asbestos-Containing Material (ACM), which is a building material that has greater than 1% asbestos. The following report contains the results of the survey performed at the above referenced site.

In summary, 20 samples of building materials were collected and analyzed for asbestos type and amount. Asbestos was detected above 1 percent in **one of the twenty samples**. These samples only represent building materials that were collected from the referenced building structure.

No samples detected asbestos above 0% and less then 1% asbestos.

Friable ACM, is defined by the Asbestos NESHAP, as any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Subpart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, can be crumbled, pulverized or reduced to powder by hand pressure. (Sec. 61.141)

Nonfriable ACM is any material containing more than one percent (1%) asbestos as determined using the method specified in Appendix A, Supbart F, 40 CFR Part 763, Section 1, Polarized Light Microscopy (PLM), that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure. EPA also defines two categories of nonfriable ACM, Category I and Category II nonfriable ACM, which are described later in this guidance.

"Regulated Asbestos-Containing Material" (RACM) is (a) friable asbestos material, (b) Category I nonfriable ACM that has become friable, (c) Category I nonfriable ACM that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II nonfriable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Refer to the asbestos Laboratory Report and chain of custody for other building materials tested and their locations. The following samples detected the presence of asbestos greater than 1%:

Category I - Floor tile in south room and northwest room (laundry room) of basement (not mastic)—510 sf

This survey is an attempt to identify ACM. However, there is no guarantee that all potential ACM was identified. As a rehabilitation, wall interiors were not assessed. If suspect ACM is discovered during the work and is not

listed in this or previous limited surveys, work on that portion of the building should cease, the material wetted and covered, and an asbestos inspector brought to the site to sample and submit to a certified laboratory the sample to determine its asbestos content. Pending analytical results, an abatement crew should remove the ACM before work continues.

INTRODUCTION

The scope of our services was to conduct an asbestos survey, which includes collecting a small portion of the building materials and submitting the sample to a certified laboratory for analysis by PLM. Analysis only assesses the portion of building material collected and submitted.

A. Collect bulk samples of suspect ACMs for laboratory analysis.
B. Analyze the collected samples for asbestos content.

Minnesota requires surveys to be performed by a Minnesota Certified Inspector. This survey was conducted by David Jenkin – Asbestos Inspector #AI8101.

Samples of suspect ACMs were collected by AllPhase by removing a small portion of the suspect material and then placing the individual samples into separate sealed containers.

DISCLAIMERS

Asbestos surveys do not necessarily succeed in identifying all locations and types of ACM on-site. This is because of the variety of locations and the inconsistency of asbestos occurrence in a given building material. Our survey is based solely upon the building materials that were observed and sampled for analysis. Therefore, if unsampled building materials are encountered during the demolition, they should be assessed on a material-by-material basis. If suspect ACM is observed which has not been listed in our evaluation, it should be collected and evaluated by a certified individual and laboratory, respectively. If there is a potential for that material to be ACM, work should stop until the question of asbestos content and/or abatement is resolved in a manner that protects human health and the environment and abides by regulatory guidelines.

Certain building materials are not considered suspect ACM and are not sampled as part of the survey. These materials include but are not limited to wood, concrete (with exceptions), plastics such as polyethylene, polystyrene and polyvinylchloride, fiberglass, rubber (natural and neoprene—black synthetic), foam insulation, metals and glass.

METHODOLOGY

Building materials were analyzed by a NVLAP-accredited laboratory, #101768-0. Laboratory analysis was conducted in accordance with Environmental Protection Agency (EPA) guidelines. The examination for the presence and identification of asbestos fibers in bulk samples is performed in the laboratory using cross-polarized light microscopy and dispersion-staining, particle-identification techniques. Analysis was performed in accordance with EPA 600/M4-82-020 and EPA 600/R-93/116 where applicable. This methodology determines the presence of asbestos varieties, which include Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite.

REMARKS

Some of the rules and regulations set by the Environmental Protection Agency (EPA) may apply when the existence of ACMs is confirmed. A complete review of these rules can be found in Part 3 of the Federal Register EPA, 40 CFR Part 61. Summaries of these rules are as follows:

According to §61.145 of NESHAPS, friable ACMs must be removed from the site prior to demolition. This includes materials that were originally non-friable but have become friable—that is, Category I & II material—due to damage or deterioration—for example, floor tile that has significant chipping or cracking. The necessity for the removal of Category I and II material is evaluated on a site-by-site basis.

Disturbing ACM may require that the Minnesota Pollution Control Agency and/or the Minnesota Department of Health be notified prior to activities with asbestos.

The environmental services performed by AllPhase's survey crew and analyst for this project have been conducted in a manner consistent with the degree of care and technical skill exercised by environmental professionals currently practicing in this area under similar budget and time constraints. Recommendations contained in this report represent our professional judgment at the time the project was performed. No other warranty is intended or implied.

David Jenkin, P.G.
Asbestos Inspector (#AI8101)

A12-0537 (15)
A1243034 - A1243048

CAROLINA ENVIRONMENTAL, INC.

107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS

Pg 1 of 2

Client: AllPhase Companies, Inc.	Project Manager: David Jenkin
Address: 404-A St. Croix Trl N.	Phone: 651-436-2930
Lakeland, MN 55043	Fax: -3918
EMail: allphasecompany@qwestoffice.net	
PO #: 971 ~~Front~~ Fremont Ave.	

PROJECT DESCRIPTION	PROJECT CODE	ASBESTOS: PLM Bulk	PLM Point Count	PLM Gravimetric	PCM-Air	TEM Bulk	TEM Air	LEAD PAINT: Lead Paint*	Lead Wipe*	Lead Soil*	Lead Air*	Other Analysis
Exterior casement window	F-1 Glazing	X										
Int. 1st Fl., SE Rm, S. wall	2 Wall Text./plaster	)										
" , Kitchen/N. Rm	3 F.T. 12"x12" gray/tan											
" "	4 F.T. 12"x12", wht											
" "	5 Ceil. text.											
" , NW Rm, E. wall	6 Wall + Ceil. text.											
" , W-Central Rm/bathrm	7 F.T. 12"x12", top layer											
" "	8 Flooring, bottom layer											
" "	9 " , mid. layer(s)											
" , Kitchen floor molding	10 Adh. brown											

TURN-AROUND TIME

*Lead results require 48 Hour TAT or longer

- ☐ 5 DAYS
- ☐ 3 DAYS
- ☒ 48 HOURS
- ☐ 24 HOURS*
- ☐ 4 HOURS*

CLIENT ID# 1596-125-K

Samples will be disposed of 30 days after analysis, unless otherwise requested.

REMARKS:

Relinquished By: David Jenkin	Date / Time: 1/18/12	Received By: Kristy Perrault	Date / Time: JAN 20 2012 12:00PM
Relinquished By:	Date / Time:	Received By:	Date / Time:

A12.0537

CAROLINA ENVIRONMENTAL, INC.
107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

CHAIN OF CUSTODY RECORD
ASBESTOS/LEAD ANALYSIS

Pg 2 of 2

Client: AllPhase Companies, Inc.	Project Manager: David Jenkin
Address: 404-A St. Croix Trl N.	Phone: 651-436-2930
Lakeland, MN 55043	Fax: -3918
EMail: allphase.company@qwestoffice.net	
PO #: 971 ~~Birch~~ Fremont Ave.	

PROJECT DESCRIPTION	PROJECT CODE	ASBESTOS					LEAD PAINT				
Basement, S. Rm	F-11 Fl. 12"x12" tan blk adh.	X									
" "	12 Ceil. tile 2'x4'										
" , SW Rm/bathrm	13 Fl. Sheeting										
" "	14 Adh., yllw brwn										
" , NW Rm/Root Cellar	15 Sheetrock										

TURNAROUND TIME
Note: Analysis require 48 Hour TAT or longer

- ☐ 5 DAYS
- ☐ 3 DAYS
- ☒ 48 HOURS
- ☐ 24 HOURS*
- ☐ 4 HOURS*

CLIENT ID#
1596-125-K

Samples will be disposed of 30 days after analysis, unless otherwise requested.

REMARKS:

Relinquished By: David Jenkin	Date / Time: 1/18/12	Received By:	Date / Time:
Relinquished By:	Date / Time:	Received By:	Date / Time:

CF FORM #026.1 VERSION 026.1.0

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT
ASBESTOS BULK ANALYSIS

Client: AllPhase Companies, Inc.
404-A St. Croix Trail, North
Lakeland , MN 55043

Project: 971 Fremont Ave.; 1596-12S-K

CEI Lab Code: A12-0537
Received: 01-20-12
Analyzed: 01-24-12
Reported: 01-24-12
Analyst: Kamila Reichert

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
F-1	A1243034	GLAZING	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		BIND 95 %	
		PAINT 5 %	
F-2	A1243035A	WALL TEXTURE(PLASTER SKIM COAT)	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		PAINT 5 %	
		BIND 60 %	
		SILI 35 %	
	A1243035B	PLASTER BASE COAT	ND
	Homogeneous,	Grey, Non-fibrous, Bound	
		SILI 48 % CELL 2 %	
		BIND 50 %	
F-3	A1243036A	FLOOR TILE	ND
	Homogeneous,	Tan, Non-fibrous, Bound	
		VINYL 100 %	
	A1243036B	MASTIC	ND
	Homogeneous,	Yellow, Non-fibrous, Bound	
		MAST 95 % CELL 5 %	
F-4	A1243037A	FLOOR TILE	ND
	Homogeneous,	White, Non-fibrous, Bound	
		VINYL 97 % CELL 3 %	

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: 919-481-1413 Fax: : 919-481-1442

Project: 971 Fremont Ave.; 1596-12S-K

Lab Code: A12-0537

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
	A1243037B	MASTIC	ND
	Homogeneous,	Clear, Non-fibrous, Bound	
		MAST 95 % CELL 5 %	
F-5	A1243038	CEILING TEXTURE	ND
	Heterogeneous,	White, Non-fibrous, Loosely Bound	
		PAINT 5 %	
		BIND 95 %	
F-6	A1243039	WALL/CEILING TEXTURE	ND
	Heterogeneous,	White, Non-fibrous, Loosely Bound	
		PAINT 5 %	
		BIND 60 %	
		SILI 35 %	
F-7	A1243040A	FLOOR TILE TOP LAYER	ND
	Homogeneous,	White, Non-fibrous, Bound	
		VINYL 97 % CELL 3 %	
	A1243040B	MASTIC	ND
	Homogeneous,	Clear, Non-fibrous, Bound	
		MAST 95 % CELL 5 %	
F-8	A1243041	FLOORING BOTTOM LAYER	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		VINYL 97 % CELL 3 %	
F-9	A1243042	FLOORING MID. LAYER	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		MAST 5 % CELL 65 %	
		VINYL 25 %	
		BIND 5 %	

CEI Labs
107 New Edition Court, Cary, NC 27511
Phone: 919-481-1413 Fax: : 919-481-1442

Project: 971 Fremont Ave.; 1596-12S-K

Lab Code: A12-0537

CLIENT ID	CEI LAB ID	HOMOGENEITY DESCRIPTION	% ASBESTOS
F-10	A1243043	ADHESIVE	ND
	Homogeneous,	Brown, Non-fibrous, Bound	
		MAST 95 % CELL 5 %	
F-11	A1243044A	FLOOR TILE	CHRY 3%
	Heterogeneous,	Tan, Non-fibrous, Bound	
		CHRY 3% VINYL 97 %	
	A1243044B	MASTIC	ND
	Homogeneous,	Black, Non-fibrous, Bound	
		MAST 100 %	
F-12	A1243045	CEILING TILE	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		PAINT 5 % CELL 95 %	
F-13	A1243046	SHEET FLOORING	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		VINYL 45 % CELL 50 %	
		BIND 5 %	
F-14	A1243047	ADHESIVE	ND
	Homogeneous,	Yellow, Brown, Non-fibrous, Bound	
		MAST 97 % CELL 3 %	
F-15	A1243048	SHEETROCK	ND
	Heterogeneous,	White, Non-fibrous, Bound	
		GYPSUM 85 % CELL 15 %	

The following definitions apply to the abbreviations used in the ASBESTOS BULK ANALYSIS REPORT:

CHRY = Chrysotile	CELL = Cellulose	DEBR = Debris
AMOS = Amosite	FBGL = Fibrous Glass	BIND = Binder
CROC = Crocidolite	CACO = Calcium Carbonate	SILI = Silicates
TREM = Tremolite	SYNT = Synthetics	GRAV = Gravel
ANTH = Anthophyllite	WOLL = Wollastonite	MAST = Mastic
ACTN = Actinolite	CERWL = Ceramic Wool	PLAS = Plaster
N D = None Detected	NTREM = Non-Asbestiform Tremolite	PERL = Perlite
NANTH = Non-Asbestiform Anthophyllite	FBGY = Fibrous Gypsum	RUBR =Rubber
		VER =Vermiculite

CLIENT: AllPhase Companies, Inc.

PROJECT: 971 Fremont Ave.; 1596-12S-K

CEI LAB CODE: A12-0537

Stereoscopic microscopy and polarized light microscopy coupled with dispersion staining is the analytical technique used for sample identification. The percentage of each component is visually estimated by volume. These results pertain only to the samples analyzed. The samples were analyzed as submitted by the client and may not be representative of the larger material in question. Unless notified in writing to return samples, CEI Labs will discard all bulk samples after 30 days.

Many vinyl floor tiles have been manufactured using greater than 1% asbestos. Often the asbestos was milled to a fiber size below the detection limit of polarized light microscopy. Therefore, a "None Detected" (ND) reading on vinyl floor tile does not necessarily exclude the presence of asbestos. Transmission electron microscopy provides a more conclusive form of analysis for vinyl floor tiles.

It is certified by the signature below that CEI Labs is accredited by the National Voluntary Accreditation Program (NVLAP) for the analysis of asbestos in bulk materials. The accredited test method is EPA / 600 / M4-82 / 020 for the analysis of asbestos in building materials. Procedures described in EPA / 600 / R-93 / 116 have been incorporated where applicable. The detection limit for the method is 0.1% (trace amount). CEI Labs's NVLAP accreditation number is #101768-0. This report is not to be used to claim product endorsement by NVLAP or any agency of the U. S. Government. This report and its contents are only valid when reproduced in full. Dust and soil analyses for asbestos using PLM are not covered under NVLAP accreditation.

ANALYST Kamila Reichert

REVIEWED BY

Tianbao Bai, Ph.D.
Laboratory Director

End of Report

Home Energy Rating Certificate

971 Fremont Ave

St Paul, MN 55106

5 Stars
As Is

Uniform Energy Rating System — **Energy Efficient**

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

HERS Index: 75

General Information

Conditioned Area:	2454 sq. ft.	HouseType:	Single-family detached
Conditioned Volume:	18707 cubic ft.	Foundation:	More than one type
Bedrooms:	4		

Mechanical Systems Features

Heating:	Fuel-fired air distribution, Natural gas, 93.0 AFUE.
Heating:	Electric baseboard or radiant, Electric, 100.0 % EFF.
Water Heating:	Conventional, Natural gas, 0.55 EF, 40.0 Gal.
Duct Leakage to Outside:	0.00 CFM.
Ventilation System:	None
Programmable Thermostat:	Heating: No Cooling: No

Building Shell Features

Ceiling Flat:	R-0	Exposed Floor:	NA
Vaulted Ceiling:	R-11	Window Type:	NFRC .30 / .29
Above Grade Walls:	R-11, R-40	**Infiltration:**	
Foundation Walls:	R-11.1	Rate:	Htg: 1705 Clg: 1705 CFM50
Slab:	R-0.0 Edge, R-0.0 Under	Method:	Blower door test

Lights and Appliance Features

Percent Interior Lighting:	10.00	Range/Oven Fuel:	Natural gas
Percent Garage Lighting:	0.00	Clothes Dryer Fuel:	Natural gas
Refrigerator (kWh/yr):	691.00	Clothes Dryer EF:	3.01
Dishwasher Energy Factor:	0.46	Ceiling Fan (cfm/Watt):	0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.98

This information does not constitute any warranty of energy cost or savings.

Registry ID:
Rating Number: 526-1261
Certified Energy Rater: Terry Cagle-Kemp
Rating Date:
Rating Ordered For: City of St Paul

Estimated Annual Energy Cost

As Is

Use	MMBtu	Cost	Percent
Heating	73.2	$748	39%
Cooling	2.7	$82	4%
Hot Water	25.6	$231	12%
Lights/Appliances	30.5	$689	36%
Photovoltaics	-0.0	$-0	-0%
Service Charges		$180	9%
Total		**$1929**	**100%**

This home meets or exceeds the minimum criteria for all of the following:

TITLE
Company
Address
City, State, Zip
Phone #
Fax #

Home Energy Rating Certificate

971 Fremont Ave

St Paul, MN 55106

5 Stars Plus
Projected Rating

Uniform Energy Rating System — **Energy Efficient**

1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus	4 Stars	4 Stars Plus	5 Stars	5 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101	100-91	90-86	85-71	70 or Less

HERS Index: 63

General Information

Conditioned Area:	2454 sq. ft.	HouseType:	Single-family detached
Conditioned Volume:	18707 cubic ft.	Foundation:	More than one type
Bedrooms:	4		

Mechanical Systems Features

Heating:	Fuel-fired air distribution, Natural gas, 95.0 AFUE.
Heating:	Electric baseboard or radiant, Electric, 100.0 % EFF.
Water Heating:	Conventional, Natural gas, 0.67 EF, 40.0 Gal.
Duct Leakage to Outside:	0.00 CFM.
Ventilation System:	Exhaust Only: 62 cfm, 13.0 watts.
Programmable Thermostat:	Heating: Yes Cooling: No

Building Shell Features

Ceiling Flat:	R-50	Exposed Floor:	NA
Vaulted Ceiling:	R-11	Window Type:	NFRC .30 / .29
Above Grade Walls:	R-11, R-19	**Infiltration:**	
Foundation Walls:	R-11.1	Rate:	Htg: 1300 Clg: 1300 CFM50
Slab:	R-0.0 Edge, R-0.0 Under	Method:	Blower door test

Lights and Appliance Features

Percent Interior Lighting:	10.00	Range/Oven Fuel:	Natural gas
Percent Garage Lighting:	0.00	Clothes Dryer Fuel:	Natural gas
Refrigerator (kWh/yr):	691.00	Clothes Dryer EF:	3.01
Dishwasher Energy Factor:	0.46	Ceiling Fan (cfm/Watt):	0.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

REM/Rate - Residential Energy Analysis and Rating Software v12.98

Registry ID:
Rating Number: 526-1261
Certified Energy Rater: Terry Cagle-Kemp
Rating Date:
Rating Ordered For: City of St Paul

Estimated Annual Energy Cost
Projected Rating

Use	MMBtu	Cost	Percent
Heating	62.9	$652	37%
Cooling	1.5	$46	3%
Hot Water	21.9	$197	11%
Lights/Appliances	30.9	$699	39%
Photovoltaics	-0.0	$-0	-0%
Service Charges		$180	10%
Total		**$1773**	**100%**

This home meets or exceeds the minimum criteria for all of the following:

TITLE
Company
Address
City, State, Zip
Phone #
Fax #

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Address: 971 Fremont Ave

Auditor:Terry Cagle-Kemp

Phone:651-221-4462 x122

Spec ID#	Spec Title	Specification	Location / Notes
104	Replace Furnace with 95% AFUE, Multi-stage, Forced Air Furnace	Remove existing furnace, recycle all metal components and dispose of all other materials in a code legal dump. Install a new ENERGY STAR rated, gas-fired, multi-stage burner, forced air furnace with a minimum AFUE rating of 95%+ and ECM Motor with 2" rise above floor. Connect to existing duct work and gas line. New furnace to be vented with PVC piping per manufacturer's specifications. New furnace will have minimum limited warranties of 20 years on heat exchangers; 5 years on parts. Include auto setback thermostat controls, vent pipe & new shut-off valve. Rework cold air return if necessary to ensure easy access, good fit & easy replacement of air filter. An exterior return air filter box shall be installed on one side, both sides or bottom of new furnace. Seal all exposed duct joints with duct mastic. Remove all existing cloth duct tape prior to installing mastic.	Note: 2nd floor currently has baseboard electric heat. Recommend that ductwork be extended to second floor.
304	Replace Water Heater with Power Vented .65 EF	Replace water heater with a power-vented water heater with an EF of .65 or greater. Include pressure & temperature release valve, discharge tube to within 6" of floor and PVC flue to power vent to exterior.	

502	Dense Pack Below Floor and blow above floor to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Floored attics shall be blown below floor boards using the Dense Pack Method to a minimum density 3.5 lbs/ft^3. Blow above floorboards to bring below and above total to R-50 or more.	Currently, underside of roof from peak to the floor is insulated with fiberglass batt and vapor barrier and drywall installed over it.
510	Blow Open Attic to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Blow insulation to depth indicated on manufacturer's coverage chart, consistently and evenly to R-50. Insulation in the peak attic must be marked with a ruler to measure depth and a sign with the number of bags used and the date of the installation.	
	Add More Insulation to Slants	Slants are currently insulated with fiberglass batt with vapor barrier and drywall installed over it. More insulation could be added by removing drywall and adding up to 2" rigid insulation (extruded polystyrene or isocyanurate) with edges of insulation sealed with manufacturer approved tape and new drywall installed over the rigid insulation.	
520	Insulate Open Kneewalls with Fiberglass Batts	All kneewalls shall have a top and bottom plate or blockers installed using a rigid material. Air seal all joints, cracks and penetrations in finished material including interior surface to framing connections. Insulate all kneewalls to R-19 with encapsulated fiberglass. Insulate and weatherstrip kneewall doors.	Alternative to encapsulated fiberglass would be unfaced fiberglass and covered on the back with housewrap that is overlapped and sealed with housewrap tape.

540	Install additional attic ventilation	Venting shall be placed to minimize its impact on the appearance of the house. Where possible, venting shall be installed so that 50% is located high (roof vents or gable vents) and 50% is located low. All vents shall be screened. Vents cut in roof and/or soffits are to be cut full to proper size. All vents shall be properly installed according to manufacturer's specifications. They shall be correctly flashed and roofing tar applied as necessary to ensure a weather-tight seal. Number of vents to be determined by contractor.	
802	Air Seal and Insulate Rim Joist	Seal cracks and holes in rim joist before insulating. Caulk or foam 3 inches of rigid insulation in place. Or, apply two-part foam evenly and consistently according to manufacturer's instructions to insulate to R-10 around basement rim joist.	
806	Air Seal and Insulate Rim Joist using two-part foam	Apply two-part foam evenly and consistently according to manufacturer's instructions to insulate to R-10 around basement rim joist.	Alternative to 802
910	Insulate crawl space ceiling	Install poly on the ground. Crawl space shall be insulated by installing 6" (R19) encapsulated fiberglass batts permanently and directly against the floorboards above. Alternatively, spray cavities to R-19.	This is under back entry wall and access would have to be made by knocking hole in foundation from basement
1000	Install ENERGY STAR Rated Kitchen Fan	Install an ENERGY STAR rated exhaust fan connected with insulated rigid ductwork into a dampered vent.	
1010	Install ENERGY STAR Rated 2-stage Bathroom Fan	Install an ENERGY STAR rated two-speed bathroom fan .8 sones or less, with a pre-set low-speed of 10-30 CFM and a high-speed boost capability of 70-110 CFM initiated by a wall switch or motion detector. Vent bathroom fan using rigid duct and insulated with fiberglass and vented out with dampered roof	

		vent.	
1200	Replace incandescents with CFLs	Replace incandescent bulbs with ENERGY STAR rated compact fluorescent lights. Install fixtures that meet the lighting needs of the particular area.	
1210	Install ENERGY STAR Rated Washing Machine	Connect new ENERGY STAR rated clothes washer sized appropriately for the household. Use braided steel water supply lines and a smooth rubber drain line connected to a 2 inch drain with trap. Remove existing washer, recycle all metal components and dispose of all other materials in a code legal dump.	
1212	Install ENERGY STAR Rated Dishwasher	Install ENERGY STAR rated dishwasher including all alterations and connections to plumbing and electric system. Remove existing dishwasher, recycle all metal components and dispose of all other materials in a code legal dump.	
1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	

Neighborhood Energy Connection

Residential Energy Specification

Customer: City of Saint Paul

Address: 971 Fremont Ave

Auditor:Terry Cagle-Kemp

Phone:651-221-4462 x122

Spec ID#	Spec Title	Specification	Location / Notes
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502	Dense Pack Below Floor and blow above floor to R-50	All bypasses shall be sealed before insulating in such a manner that the movement of air through the bypass is essentially stopped. "Essentially stopped" means that air leakage will not be detected by an infrared scan when the house is pressurized to 30 Pascals. Floored attics shall be blown below floor boards using the Dense Pack Method to a minimum density 3.5 lbs/ft^3. Blow above floorboards to bring below and above total to R-50 or more.	Currently, underside of roof from peak to the floor is insulated with fiberglass batt and vapor barrier and drywall installed over it.
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1214	Install ENERGY STAR Rated Refrigerator	Install ENERGY STAR rated refrigerator sized appropriately for the household. Remove existing refrigerator, recycle all metal components and dispose of all other materials in a code legal dump.	

03/15/12 ACTIVATED CHARCOAL RADON TEST #6102591

Radon Test Result: 1.9 ±0.2 pCi/L

Test Started 03/08/12 at 1:00 pm
Test Ended 03/12/12 at 2:00 pm
Closed house conditions maintained during test.

Location Basement

CITY OF ST PAUL HRA
971 FREMONT
SAINT PAUL, MN 55102

INTERPRETING YOUR TEST RESULT

The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little short–term risk with test results in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as seasonally, you may want to retest during another season. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

You may be able to obtain additional information about radon related subjects by calling your **state radon officer at 800–798–9050**. Or call the "Radon Fix–It Line" at 800–644–6999 Monday thru Friday between NOON and 8 pm EST

This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis computations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, time from the end of test, and the amount of radiation measured. If ALL the test instructions were carefully followed, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the time indicated on the test packet.

READ THIS FIRST

This result has been rounded to one–tenth (0.1) of a pCi/L (picoCurie per liter), the most common method of reporting radon in air.

NEXT...PLEASE...READ

everything under the heading

INTERPRETING YOUR TEST RESULT

Your health risk

The primary health risk from long–term exposure to radon is lung cancer. The risk of developing a lung cancer from radon exposure depends both on how much radon is present and how long you are exposed to radon. The higher the radon level or the longer the time of exposure, even if the levels are relatively low, the greater the risk. Exposures up to 4 pCi/L may present some risk of contracting lung cancer to more sensitive occupants, especially children. Recently the US Congress set as a goal the lowering of radon levels in buildings to equal the levels of outside air.

What is a picoCurie

For those interested in the numbers, a picoCurie is 0.000,000,000,001 (one–trillionth) of a Curie, an international measurement unit of radioactivity. One pCi/L means that in one liter of air there will be 2.2 radioactive disintegrations each minute. For example, at 4 pCi/L there will be approximately 12,672 radioactive disintegrations in one liter of air, during a 24–hour period.

Conducting Follow–up Measurements

USEPA protocol describes two general types of radon measurements: short–term tests conducted from 48 hours up to 90 days, and long–term tests that last from 90 to 365 days. Your first test (initial/screening) should be a short–term `worst–case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed–building conditions, in the lowest lived–in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst–case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

* Your state has designated a radon officer to assist citizens with questions on radon. Most offer free information on radon and radon reduction techniques, and most keep a list of qualified radon testing and mitigation businesses. Your radon officer can also provide the phone number of your regional USEPA office.

03/15/12 ACTIVATED CHARCOAL RADON TEST #6102597

Radon Test Result: 1.1 ±0.1 pCi/L

Test Started 03/08/12 at 1:00 pm
Test Ended 03/12/12 at 2:00 pm
Closed house conditions maintained during test.

CITY OF ST PAUL HRA
971 FREMONT
SAINT PAUL, MN 55102

INTERPRETING YOUR TEST RESULT

The US EPA action level for indoor radon is 4.0 pCi/L. The EPA indicates that there is little short–term risk with test results in this range (0.6 to 1.9 pCi/L). However, because radon levels fluctuate daily, as well as seasonally, you may want to retest during another season. Additionally, if you make any structural changes or start to use a lower level of the building more frequently, you should test again.

You may be able to obtain additional information about radon related subjects by calling your **state radon officer at 800–798–9050**. Or call the "Radon Fix–It Line" at 800–644–6999 Monday thru Friday between NOON and 8 pm EST

This test result reflects the amount of radon measured in this sample AFTER it arrived at our laboratory. All analysis computations are automatically adjusted to reflect the length of test, the amount of moisture in the sample, time from the end of test, and the amount of radiation measured. If ALL the test instructions were carefully followed, then it is reasonable to assume this is an accurate assessment of the average level of the radon this sample was exposed to during the time indicated on the test packet.

READ THIS FIRST

This result has been rounded to one–tenth (0.1) of a pCi/L (picoCurie per liter), the most common method of reporting radon in air.

NEXT...PLEASE...READ

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INTERPRETING YOUR TEST RESULT

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USEPA protocol describes two general types of radon measurements: short–term tests conducted from 48 hours up to 90 days, and long–term tests that last from 90 to 365 days. Your first test (initial/screening) should be a short–term 'worst–case' screening to see if there is a potential for high exposure to radon. Screening tests should be conducted under closed–building conditions, in the lowest lived–in area in the house, because the highest concentrations of radon will usually be found in a room closest to the underlying soil. Tests made under these conditions are less likely to miss a house with a potential for high concentrations. On the other hand, if the results of worst–case screening tests are very low, there is a high probability that the average annual concentrations in the house are also low.

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Midwest
Environmental
Consulting, L.L.C.

January 28, 2012

Rennie Smith
All Phase Companies, Inc.
404A St. Croix Trail North
Lakeland MN 55043

RE: HUD Lead-Based Paint Inspection and Risk Assessment at the Single Family Residential Property, 971 Fremont Avenue, St. Paul, Minnesota (All Phase Phone: 651-436-2930)

Dear Rennie Smith:

At your request, Midwest Environmental Consulting, L.L.C. (MEC) performed a HUD lead-based paint inspection and risk assessment of the single family residential located at 971 Fremont Avenue, St. Paul, Minnesota on January 25, 2012.

Andrew Myers, Environmental Project Manager with MEC and licenced lead risk assessor (MN LR #578) performed all field work associated with this project. MEC credentials can be found in Appendix A.

The purpose of this project was to determine whether lead-based paint or other lead hazards are present on the interior or exterior surfaces of the residential property. This report contains the results of the HUD lead-based paint inspection and risk assessment.

The inspection was conducted following the Housing and Urban Development (HUD) *"Guidelines for the Evaluation and Control of Lead-Based Paint in Housing,"* using the October 1997 revised Chapter 7 protocols. The sampling criteria used are those outlined in the HUD Standards 24 CFR Part 35 et al, "*Requirements for Notification Evaluation and Education of Lead-Based Paint Hazards in Federally Owned Residential Property and Housing Receiving Federal Assistance.*" Also included, is an evaluation for lead dust hazards and bare soil hazards as part of the risk assessment.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

SITE DESCRIPTION

The single family property located at 971 Fremont Avenue, St. Paul, Minnesota is a two story wood framed structure on a concrete foundation/basement constructed in

approximately the 1940's. The interior walls and ceilings on the main level are primarily plaster with some areas of drywall. The 2nd Floor and basement level have wood paneling and some drywall. The main level has newer vinyl insert windows in the original jambs. The 2nd Floor and basement have original vintage wood windows. the basement level has some moisture infiltration and microbial damage to surfaces. The exterior has metal siding and metal cladding on soffits, fascia and trim over original painted wood. There is a detached wood framed garage on a concrete slab. The exterior also has metal siding and low maintenance soffit, fascia and trim. The garage siding is homogeneous to the house siding.

Bare soil was not observed due to snow cover. The property is currently vacant.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303 X-Ray Fluorescence Spectrum Analyzers (Serial # 13754 and Serial # 8790).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm^2 when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: South, faces Fremont Avenue
Side B: West, adjoins faces residential property
Side C: North, faces alley & residential property
Side D: East, adjoins residential property

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm^2) are listed below:

LOCATION	COMPONENT
Porch	Painted wood window parting bead
Porch	Painted wood ceiling
Bathroom	Bathtub
Basement - Room 1	Painted wood window
Laundry Room	Painted wood window
Laundry Room	Painted wood closet door & door components
Stairway to 2nd Floor	Painted wood window parting beads
Bedroom 4	Painted wood window parting beads
Exterior	Painted wood doors and door components (both front porch and back entry)
Exterior- Foundation	Painted concrete foundation
Exterior	Metal window components (depth index indicates lead beneath metal surfaces)
Exterior	Metal soffits & fascia (depth index indicates lead beneath metal surfaces)
Garage	Metal window components (depth index indicates lead beneath metal surfaces)
Bedroom 4	Painted wood baseboards (including closet)

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through use of a visual inspection of the dwelling; and reviewing paint test data, and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately the 1940's.
- The property is a single family residential structure.
- Interior walls on the main level is primarily plaster with some drywall. The basement and 2nd level have wood paneling and some drywall.
- The main level has newer vinyl inserts in original jambs. The 2nd Floor and basement are original windows.
- The exterior siding is metal with metal cladding on soffits, fascia & trim over original painted wood.
- There is a detached wood framed & metal sided garage with alley access.
- Bare soil was not observed due to snow cover.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the interior and the exterior of the structure is mainly in fair condition with some components in poor or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm^2 action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water samples were not collected as they were not part of the scope of work for this project. Bare soil was not observed due to snow cover and no bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/0112H-W1 1/16/12	Living Room, Side A, floor by front door	<10 µg/ft^2	40 µg/ft^2
502/011H-W2 1/16/12	Living Room, Side D, window sill	800 µg/ft^2	250 µg/ft^2
502/0112H-W3 1/16/12	Kitchen, floor by back entry	690 µg/ft^2	40 µg/ft^2
502/0112H-W4 1/16/12	Bedroom 1, Side A, window trough	190 µg/ft^2	400 µg/ft^2
502/0112H-W5 1/16/12	Bedroom 1, Side A, floor under window	<10 µg/ft^2	40 µg/ft^2
502/0112H-W6 1/16/12	Bedroom 2, Side C, window sill	<40 µg/ft^2	250 µg/ft^2
502/0112H-W7 1/16/12	Bedroom 2, Side C, floor under window	<10 µg/ft^2	40 µg/ft^2
502/0112H-W8 1/16/12	2nd Floor Bedroom 3, Side A, window trough	84 000 µg/ft^2	400 µg/ft^2
502/0112H-W9 1/16/12	2nd Floor Bedroom 3, Side A, floor under window	55 µg/ft^2	40 µg/ft^2

502/0112H-W10 1/16/12	Basement, bottom of stairs, floor	37 µg/ft^2	40 µg/ft^2
502/0112H-W11 1/16/12	Blind Field Blank	<10 µg/ft^2	----------

* Unit Abbreviations: µg/ft^2 - micrograms per square foot

Dust wipe were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project. Bare soil was observed on the day of the site evaluation. Bare soil was not observed due to snow cover and no bare soil samples were collected .

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including painted wood porch ceiling, original vintage interior & exterior window components, bathtub, painted wood interior & exterior door components.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers; encapsulation; or removal of coatings to the substrates and re-coating with lead free coatings.

Porch:

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood ceiling: In fair condition.

- Option 1: Remove wall system to the framing material using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an operation & maintenance plan with ongoing monitoring.
- Option 3: Encapsulate with an approve lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance

Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bathroom:
Bathtub: In poor condition.
- Option 1: Enclose under a lead free tub surround system and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Remove tub using Lead Safe Work Practices and replace with new lead free products.

Basement - Room 1:
Painted wood window: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Laundry:
Painted wood window: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet door & door components: In poor condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Stairway to 2nd Floor:
Painted wood window components: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 4:
Painted wood window components: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Exterior:

Painted wood doors and door components (front porch & rear entry): In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted concrete foundation: In poor condition.

- Option 1: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coating.
- Option 2: Encapsulate with a lead abatement approved encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

Metal window cladding (depth index indicates lead beneath the metal surfaces):In intact condition.

- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Make sure that seams and seals are maintained in a sealed condition using elastomeric caulking.
- Option 2: Remove metal cladding using Lead Safe Work Practices and replace with new lead free products.
- Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Metal cladding on soffits, fascia & trim (depth index indicates lead beneath metal surfaces: In intact condition.

- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Make sure that seams and seals are maintained in a sealed condition using elastomeric caulking.
- Option 2: Remove metal cladding using Lead Safe Work Practices and replace with new lead free products.
- Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Note: The exterior of the garage is homogeneous to that of the house

Lead Dust:

Dust was identified as a lead hazard on window and floor surfaces tested. All floors and window systems should be cleaned and made smooth and cleanable. If planned renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and

clearance testing.

Bare Soil:
Bare soil was not observed due to snow cover. If bare soil is present it is assumed to be above the MDH standard of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million of lead or less.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious coating.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm^2 was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important. Bare soil is not currently present and steps should be taken to keep bare soil from being generated.

Dust wipe samples collected found lead dust levels above the action levels on floor and window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm^2 threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately $75.00 to $250.00 per room.
- Window replacement, approximately $150.00 and up, depending on style.
- Exterior preparation approximately $35.00 to $75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: $0.15 to $0.35 per square foot.
- Paint stabilization: $0.20 to $0.65 per square foot.
- Removal: Paint - chemical stripper: $0.65 to $1.50 square foot.
- Soil Remediation:
  a. Clean-up of visible exterior paint chips: $0.90 to $1.35 square foot.
  b. Seed and tack grass: $0.45 to $0.75 square foot.
  c. Sod: $1.25 to $3.30 square foot.
  d. Regrade at foundation and sod: $3.00 to $5.00 square foot.
  e. Mulch - 4": $0.50 to $0.90 square foot.
  f. Concrete: $4.50 to $8.00 square foot.
  g. Replace soil: $42.00 to $65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licenced or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

Andrew Myers
Environmental Services Project Manager

APPENDIX A

INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC
145 2nd Ave SE
Cambridge, Minnesota 55008

in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

Certified Lead Firm

License No: LF551
Expires 03/28/2012

This certificate is nontransferable.

Linda B. Bruemmer

Linda B. Bruemmer, Director
Division of Environmental Health

Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR578
Expires 08/26/2012

Andrew J Myers
210 2nd St N
New Prague, MN 56071

approximately the 1940's. The interior walls and ceilings on the main level are primarily plaster with some areas of drywall. The 2nd Floor and basement level have wood paneling and some drywall. The main level has newer vinyl insert windows in the original jambs. The 2nd Floor and basement have original vintage wood windows. the basement level has some moisture infiltration and microbial damage to surfaces. The exterior has metal siding and metal cladding on soffits, fascia and trim over original painted wood. There is a detached wood framed garage on a concrete slab. The exterior also has metal siding and low maintenance soffit, fascia and trim. The garage siding is homogeneous to the house siding.

Bare soil was not observed due to snow cover. The property is currently vacant.

RESULTS OF PAINT INSPECTION

MEC used a paint inspection sampling strategy as described in the HUD *Guidelines* (1995 and revised Chapter 7 in October 1997). The results of portable X-Ray Fluorescence (XRF) spectrum analysis of representative building components in each functional area or room are shown in Appendix B. Results are organized and shown in actual sequence of analysis. All tests were made using a Niton® XLp 303 X-Ray Fluorescence Spectrum Analyzers (Serial # 13754 and Serial # 8790).

XRF analytical results in Appendix B, in the column labeled "Results" represent lead concentrations per square centimeter of painted surface (mg/cm^2).

HUD regulations 24 CFR Part 35 et al, the HUD *Guidelines* and the Minnesota Department of Health (MDH) define the paint action level as lead concentrations at or above the level of 1.0 mg/cm^2 when measured with a portable XRF instrument (0.5% by weight when measured by laboratory methods).

The lead-based paint risk assessment protocol described in the HUD *Guidelines* and the EPA regulations rely on evaluation of surface coatings meeting the definition of poor, planned renovations, presence of dust and soil above current EPA and Minnesota Department of Health (MDH) Standards.

Tests are performed on each test combination. A test combination consists of unique combinations of substrate, color, building component, and location.

XRF results are classified as positive or negative. A positive classification indicates that lead is present on the testing combination at or above the HUD standards. It's important to note that the limited inspection of surfaces tested only applies to those surfaces areas tested and does not meet the requirements of a full HUD lead-based paint inspection and those surface areas not tested would be assumed to contain lead-based paint.

Appendix B includes a record of XRF calibration checks. Those checks were performed on thin films supplied by the XRF manufacturer; they contain known concentrations of lead. The graphs in that appendix show the variation of quality control with time. The assays in the table of raw data (Appendix B) that are labeled "Calibrate" indicate that they are for quality control. Additional quality control data and information are available to you upon request.

Side A: South, faces Fremont Avenue
Side B: West, adjoins faces residential property
Side C: North, faces alley & residential property
Side D: East, adjoins residential property

Specific building components determined to have a lead concentration above the action level of (1.0 mg/cm^2) are listed below:

LOCATION	COMPONENT
Porch	Painted wood window parting bead
Porch	Painted wood ceiling
Bathroom	Bathtub
Basement - Room 1	Painted wood window
Laundry Room	Painted wood window
Laundry Room	Painted wood closet door & door components
Stairway to 2nd Floor	Painted wood window parting beads
Bedroom 4	Painted wood window parting beads
Exterior	Painted wood doors and door components (both front porch and back entry)
Exterior- Foundation	Painted concrete foundation
Exterior	Metal window components (depth index indicates lead beneath metal surfaces)
Exterior	Metal soffits & fascia (depth index indicates lead beneath metal surfaces)
Garage	Metal window components (depth index indicates lead beneath metal surfaces)
Bedroom 4	Painted wood baseboards (including closet)

Also included in Appendix B of this report is a rating of the condition of paint on components (column titled "Condition"). Comments on the condition include:

Intact: good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

RESULTS OF LEAD RISK ASSESSMENT

The risk assessment portion of this investigation involved two major phases: collecting information about the property through use of a visual inspection of the dwelling; and reviewing paint test data, and visual assessment notes in order to determine the type, location, and number of samples needed to further identify lead hazards at the property. These samples may consist of paint, dust, soil, and water.

- The date of construction of the residence is approximately the 1940's.
- The property is a single family residential structure.
- Interior walls on the main level is primarily plaster with some drywall. The basement and 2nd level have wood paneling and some drywall.
- The main level has newer vinyl inserts in original jambs. The 2nd Floor and basement are original windows.
- The exterior siding is metal with metal cladding on soffits, fascia & trim over original painted wood.
- There is a detached wood framed & metal sided garage with alley access.
- Bare soil was not observed due to snow cover.
- The property is currently vacant.

Visual Inspection

MEC conducted an inspection of painted and varnished surfaces on the interior and exterior of the residence. Emphasis was placed on chewable surfaces within 5 feet of the ground or floor.

The results of the visual inspection indicate that the interior and the exterior of the structure is mainly in fair condition with some components in poor or intact condition.

Please note, however, the condition report within the XRF table for painted or varnished surfaces found to be fair or poor, that were below the 1.0 mg/cm^2 action level.

Environmental Sampling Plan

Based on the location of lead-based paint, deteriorated lead-based paint, and information gathered during the visual inspection, MEC formulated the following environmental sampling plan to identify other lead hazards on this property. Water samples were not collected as they were not part of the scope of work for this project. Bare soil was not observed due to snow cover and no bare soil sample was collected.

Samples were collected and delivered to EMSL Laboratory (ELLAP 163162), Minneapolis, Minnesota where they were prepared and analyzed using current appropriate protocols for lead. Laboratory results for environmental samples may be found in Appendix C.

Analytical results are reported below for each sample and compared to standard action levels that have been identified for this project.

SAMPLE # DATE	LOCATION	RESULT	PROJECT ACTION LEVEL
502/0112H-W1 1/16/12	Living Room, Side A, floor by front door	<10 µg/ft^2	40 µg/ft^2
502/011H-W2 1/16/12	Living Room, Side D, window sill	800 µg/ft^2	250 µg/ft^2
502/0112H-W3 1/16/12	Kitchen, floor by back entry	690 µg/ft^2	40 µg/ft^2
502/0112H-W4 1/16/12	Bedroom 1, Side A, window trough	190 µg/ft^2	400 µg/ft^2
502/0112H-W5 1/16/12	Bedroom 1, Side A, floor under window	<10 µg/ft^2	40 µg/ft^2
502/0112H-W6 1/16/12	Bedroom 2, Side C, window sill	<40 µg/ft^2	250 µg/ft^2
502/0112H-W7 1/16/12	Bedroom 2, Side C, floor under window	<10 µg/ft^2	40 µg/ft^2
502/0112H-W8 1/16/12	2nd Floor Bedroom 3, Side A, window trough	84,000 µg/ft^2	400 µg/ft^2
502/0112H-W9 1/16/12	2nd Floor Bedroom 3, Side A, floor under window	55 µg/ft^2	40 µg/ft^2

502/0112H-W10 1/16/12	Basement, bottom of stairs, floor	37 µg/ft^2	40 µg/ft^2
502/0112H-W11 1/16/12	Blind Field Blank	<10 µg/ft^2	----------

* Unit Abbreviations: µg/ft^2 - micrograms per square foot

Dust wipe were collected from the residence, however, water and sodium rhodizonate swabs were not collected as part of this project. Bare soil was observed on the day of the site evaluation. Bare soil was not observed due to snow cover and no bare soil samples were collected .

RECOMMENDATIONS

Lead-based paint or lead hazards were found during the inspection and risk assessment of the property including painted wood porch ceiling, original vintage interior & exterior window components, bathtub, painted wood interior & exterior door components.

According to HUD protocol, if the first 5 of a building component are identified as positive for lead-based paint, the remaining like components are assumed to be lead-based paint containing.

At the request of the City of St. Paul, only abatement options are provided for lead hazards identified during this evaluation. Abatement options can include removal of building components to the substrate and replacement with new lead free products; enclosure of building components under dust tight barriers; encapsulation; or removal of coatings to the substrates and re-coating with lead free coatings.

Porch:

Painted wood window components: In poor condition.

- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood ceiling: In fair condition.

- Option 1: Remove wall system to the framing material using Lead Safe Work Practices and replace with new lead free products.
- Option 2: Enclose under a dust tight barrier and include into an operation & maintenance plan with ongoing monitoring.
- Option 3: Encapsulate with an approve lead abatement encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance

Plan with ongoing monitoring.
- Option 4: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Bathroom:
Bathtub: In poor condition.
- Option 1: Enclose under a lead free tub surround system and include into an Operation & Maintenance Plan with ongoing monitoring.
- Option 2: Remove tub using Lead Safe Work Practices and replace with new lead free products.

Basement - Room 1:
Painted wood window: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Laundry:
Painted wood window: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Painted wood closet door & door components: In poor condition.
- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Stairway to 2nd Floor:
Painted wood window components: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coatings.

Bedroom 4:
Painted wood window components: In poor condition.
- Option 1: Remove window components to raw openings using Lead Safe Work Practices and replace with new lead free window components.
- Option 2: Remove coatings to bare substrate using Lead Safe Work Practices

and re-coat with lead free coatings.

Exterior:

Painted wood doors and door components (front porch & rear entry): In poor condition.

- Option 1: Remove door components using Lead Safe Work Practices and replace with new lead free door components.
- Option 2: Remove coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Painted concrete foundation: In poor condition.

- Option 1: Remove coatings to bare substrate using Lead Safe Work Practices and re-coat with lead free coating.
- Option 2: Encapsulate with a lead abatement approved encapsulant such as Safe Encasement® or equivalent and include into an Operation & Maintenance Plan with ongoing monitoring.

Metal window cladding (depth index indicates lead beneath the metal surfaces):In intact condition.

- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Make sure that seams and seals are maintained in a sealed condition using elastomeric caulking.
- Option 2: Remove metal cladding using Lead Safe Work Practices and replace with new lead free products.
- Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Metal cladding on soffits, fascia & trim (depth index indicates lead beneath metal surfaces: In intact condition.

- Option 1: Include into an Operation & Maintenance Plan with ongoing monitoring. (The metal cladding is already an enclosure). Make sure that seams and seals are maintained in a sealed condition using elastomeric caulking.
- Option 2: Remove metal cladding using Lead Safe Work Practices and replace with new lead free products.
- Option 3: Remove cladding & coatings to bare substrates using Lead Safe Work Practices and re-coat with lead free coatings.

Note: The exterior of the garage is homogeneous to that of the house

Lead Dust:

Dust was identified as a lead hazard on window and floor surfaces tested. All floors and window systems should be cleaned and made smooth and cleanable. If planned renovation or work activity will disturb lead coated surfaces, lead safe work practices should be followed, which include requirements for clean up of the work area and

clearance testing.

Bare Soil:
Bare soil was not observed due to snow cover. If bare soil is present it is assumed to be above the MDH standard of 100 parts per million.

- Abatement Option 1: Removal of bare soil and replacement with new soil of 25 parts per million of lead or less.
- Abatement Option 2: Covering bare soil with asphalt, concrete or other impervious coating.

When qualified contractors are performing the planned renovation/remodeling activities, precautions should be properly done to minimize the potential for lead-based paint contamination to the workers, occupants and the environment.

DISCUSSION

The mere presence of lead-coated surfaces does not create a lead hazard. Maintenance of lead containing coatings will prevent lead from becoming a hazard. Lead-based paint above the action level of 1.0 mg/cm^2 was found on surfaces tested.

Because exterior surfaces are to be remediated and lead-coatings are present, covering the ground and providing adequate protection to soil is very important. Bare soil is not currently present and steps should be taken to keep bare soil from being generated.

Dust wipe samples collected found lead dust levels above the action levels on floor and window surfaces tested as defined by MDH, HUD and EPA in the sampling locations tested. Contractors will be required to clean all floor systems and window surfaces throughout the complex for lead hazards in dust following and as a part of the planned restoration.

The preceding lead reduction recommendations include different ways to treat each lead hazard that was identified by the risk assessment/inspection. The most effective treatments are considered abatement and require little or no ongoing maintenance to preserve a lead safe environment. The less effective treatments are called interim controls and these treatments require an increased amount of ongoing maintenance to preserve a lead safe environment.

If no lead dust, soil, or lead-based paint is found, then no monitoring is required.

If no hazards are found, but lead-based paint is found, then reevaluation should occur every three years, and an owner's visual survey should occur annually.

If lead dust, soil, or lead-based paint hazards are found to be present, choosing the option with removal of all lead-based paint will result in no monitoring requirements. If abatement options are chosen that include enclosure, then no re-evaluation is required, but the owner should conduct visual surveys every year to ensure the enclosure has not failed. If the interim control options (stabilize and paint) are chosen, then re-evaluation should occur after the first year and then every two years after that. Visual surveys by the owner should occur annually.

If lead dust levels are found to be more than ten times the standard levels, then reevaluation after interim control measures should occur six months after the hazard reduction.

In general, all painted surfaces should be monitored. A negative result does not necessarily indicate that no lead is present in that surface, but rather indicates that any lead present in that surface does not rise above the 1.0 mg/cm^2 threshold in the areas tested. Therefore, all painted surfaces should be maintained in accordance with the Minnesota Department of Health standards.

ROUGH ESTIMATED COSTS:

- Work site preparation for interior, approximately $75.00 to $250.00 per room.
- Window replacement, approximately $150.00 and up, depending on style.
- Exterior preparation approximately $35.00 to $75.00 per component (i.e., windows, doors), removal or enclosure.
- Work area cleaning: $0.15 to $0.35 per square foot.
- Paint stabilization: $0.20 to $0.65 per square foot.
- Removal: Paint - chemical stripper: $0.65 to $1.50 square foot.
- Soil Remediation:
  a. Clean-up of visible exterior paint chips: $0.90 to $1.35 square foot.
  b. Seed and tack grass: $0.45 to $0.75 square foot.
  c. Sod: $1.25 to $3.30 square foot.
  d. Regrade at foundation and sod: $3.00 to $5.00 square foot.
  e. Mulch - 4": $0.50 to $0.90 square foot.
  f. Concrete: $4.50 to $8.00 square foot.
  g. Replace soil: $42.00 to $65.00 cubic yard.

If work is going to be performed on these surfaces, individuals and/or contractors should be informed of the results of testing. At a minimum, the person(s) performing the work should follow the requirements of the Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62, Lead in the Construction Industry.

For the protection of the occupants and workers, and because of the use of federal funds, you are required by the HUD rules to use qualified firms who are knowledgeable about the hazards associated with lead. Supervisor should be licensed and workers will be required to be licenced or certified, as MEC understands the scope of work.

Please maintain a copy of the lead inspection/risk assessment report for your records and provide a copy of the report to any contractors that may be involved in any future renovations or remodeling projects.

A copy of this lead inspection/risk assessment summary must be provided to purchasers or lessees (tenants) of this property under Federal Law (24 CFR Part 35 and 40 CFR part 745) before they become obligated under a lease or sales contract.

The complete report must also be provided to new purchasers and it must be made available to new tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency and include standard warning language in their leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

It has been our pleasure to provide this service to you and your organization. Please contact me if you have questions relating to any aspect of this work.

Respectfully submitted,

Andrew Myers
Environmental Services Project Manager

APPENDIX A

INSPECTOR CREDENTIALS

Minnesota Department of Health

has authorized

Midwest Environmental Consulting, LLC
145 2nd Ave SE
Cambridge, Minnesota 55008

in accordance with Minnesota Statutes, section 144.9505 and Minnesota Rules, part 4761.2200, to practice in the State of Minnesota as a

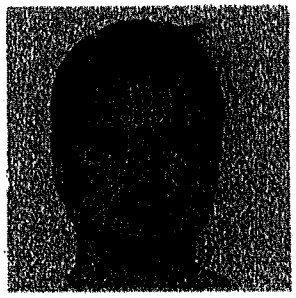
Certified Lead Firm

License No: LF551
Expires 03/28/2012

This certificate is nontransferable.

Linda B. Bruemmer

Linda B. Bruemmer, Director
Division of Environmental Health



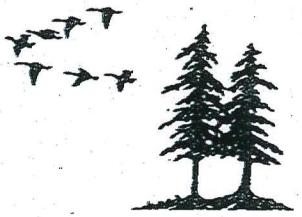
Director, Env. Health Div.

MDH **LEAD**
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR678
Expires 08/25/2012

Andrew J Myers
210 2nd St N
New Prague, MN 56071



Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0847
Expiration Date: August 25, 2012
MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001
Morris, Minnesota

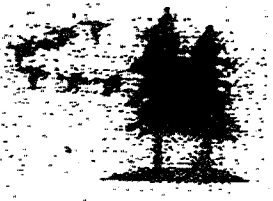
This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers



has completed the Minnesota-Approved Lead Training course entitled:

Initial Lead Inspector Training
March 12-14, 2001

given by

Midwest Environmental Consulting, LLC
145 - 2nd Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, IN MORRIS, MINNESOTA

IDENTIFICATION NUMBER: MECA.LI-0053
Expiration Date: March 14, 2002
MDH Permit No: LI - 003

Course Director

MINNESOTA
MDH
DEPARTMENT OF HEALTH

RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

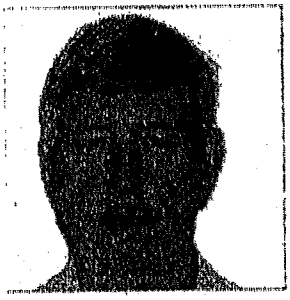
June 26, 2001
Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren

Patricia A. Bloomgren, Director
Division of Environmental Health



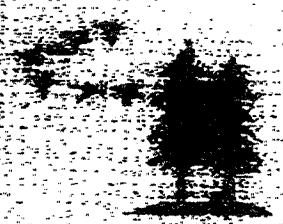
Director, Env. Health Div.

MDH LEAD
Risk Assessor
Licensed by:
State of Minnesota
Department of Health
License No. LR284
Expires 08/26/2012

Greg A Myers
19667 Salmonson River Rd
Mora, MN 55051

APPENDIX B

XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA



Andrew J. Myers

has completed the Minnesota Approved Lead Training course entitled:

Lead Based Paint Risk Assessor Training

June 25-26, 2001

given by

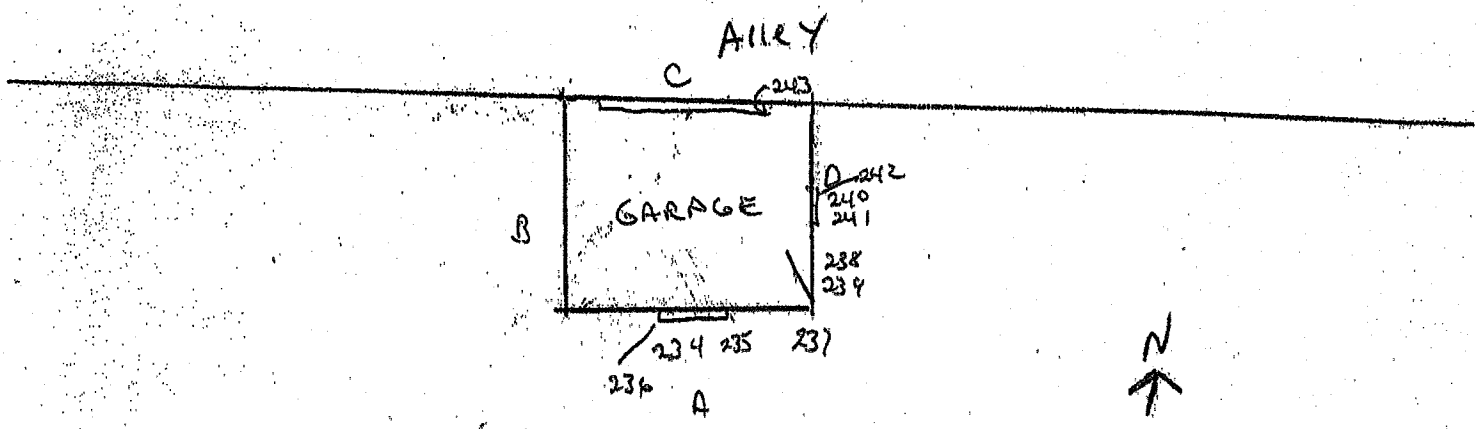
Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008

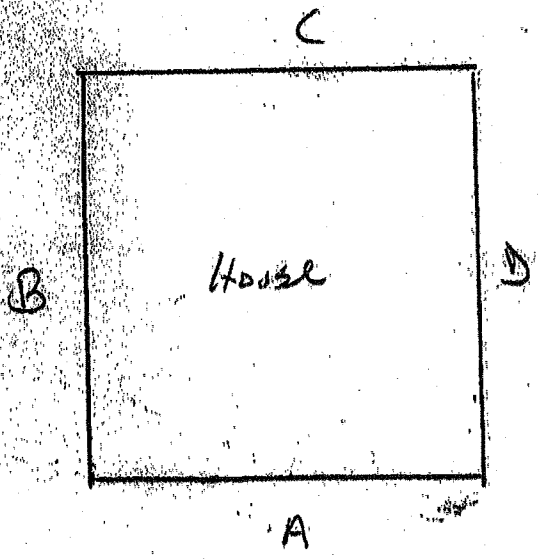
- SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 26, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: MECURA 0111
Expiration Date: June 26, 2002
MDH Permit #: RA1-002

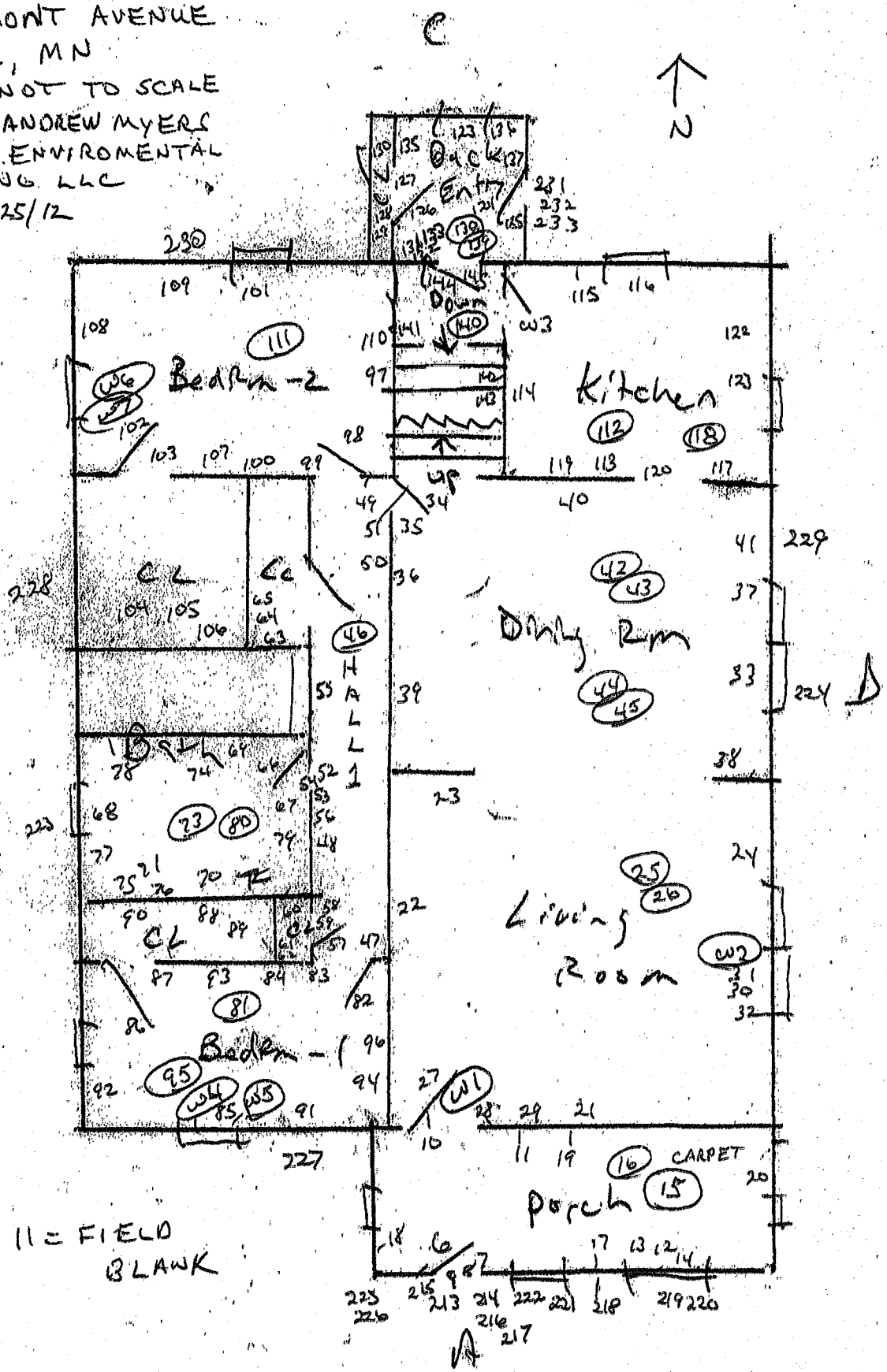
Course Director

991 Fremont


ALLEY
C
243
242
240
241
B
GARAGE
238
239
234
235
237
236
A
N

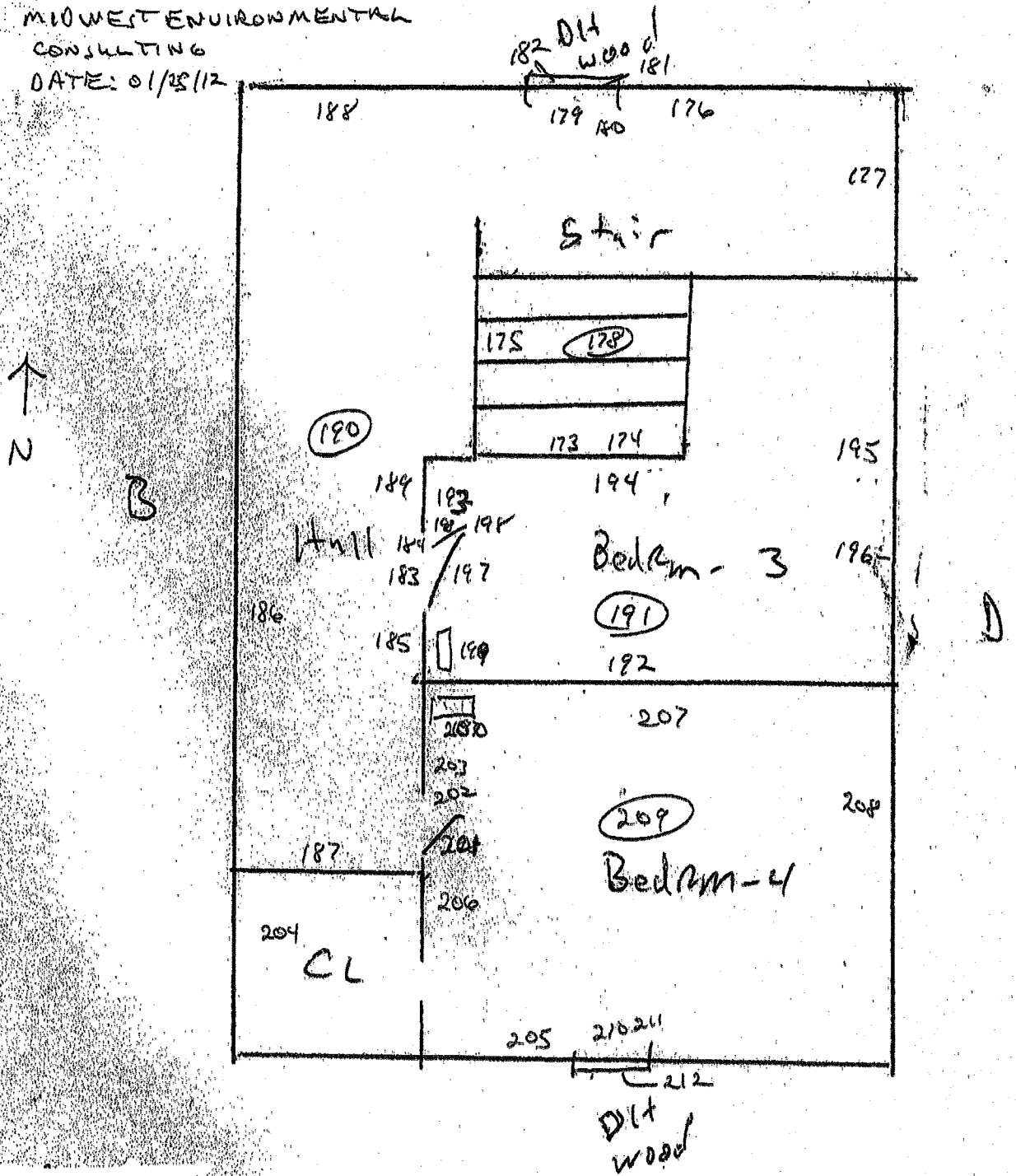

C
B
House
D
A

FIRST FLOOR
971 FREMONT AVENUE
ST. PAUL, MN
SKETCH NOT TO SCALE
DRAWN BY: ANDREW MYERS
MIDWEST ENVIROMENTAL
CONSULTING LLC
DATE: 01/25/12

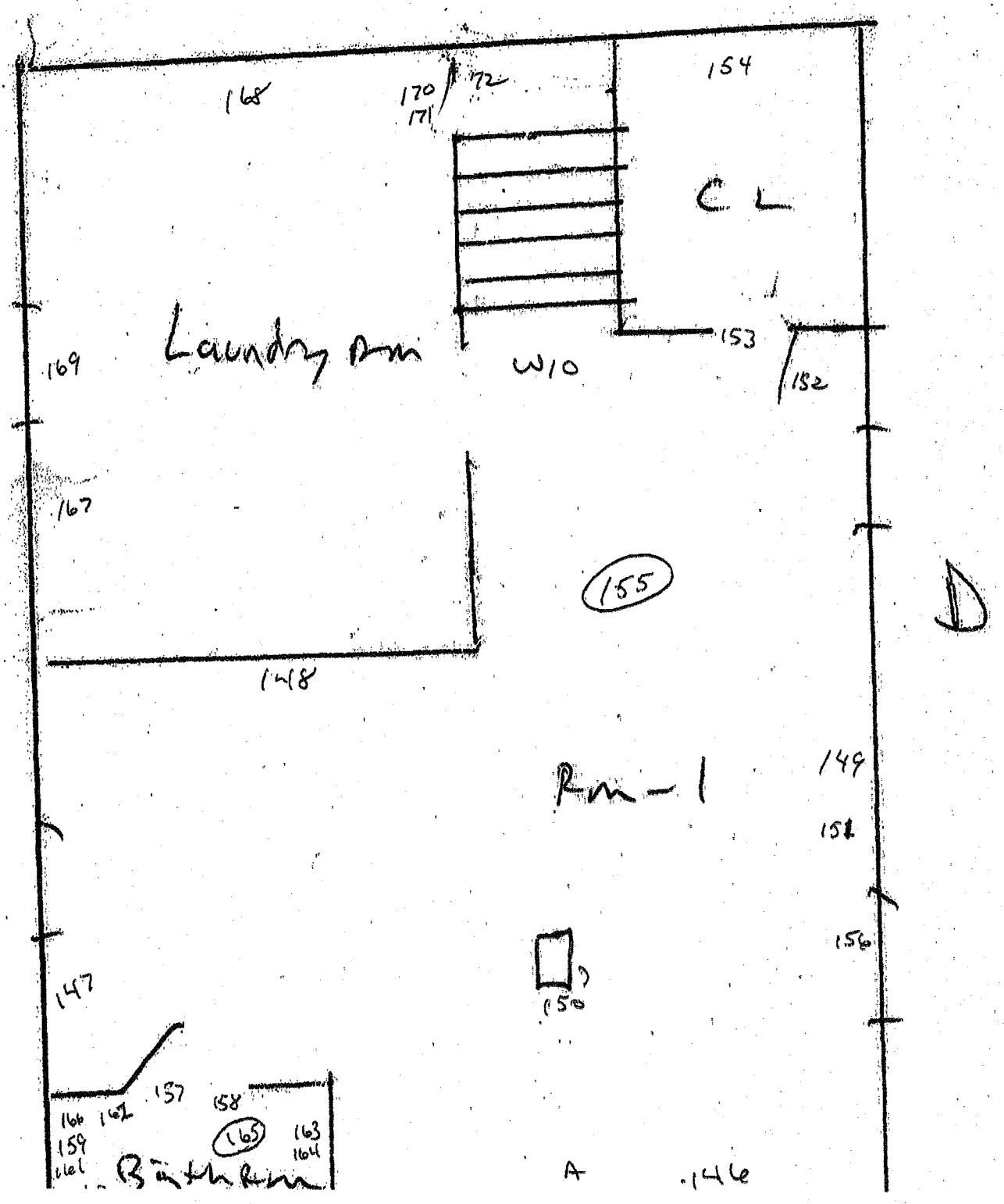


W11 = FIELD BLANK

SECOND FLOOR
971 FREMONT AVENUE
SKETCH NOT TO SCALE
DRAWN BY: ANDREW MYERS
MIDWEST ENVIRONMENTAL
CONSULTING
DATE: 01/25/12



BASEMENT LEVEL
971 FREMONT AVENUE
ST. PAUL, MN
SKETCH NOT TO SCALE
DRAWN BY: ANDREW MYERS
MIDWEST ENVIRONMENTAL
CONSULTING LLC
DATE: 01/25/12



All Phase Companies
971 Fremont Avenue
St. Paul MN

Site: All Phase Companies - 971 Fremont Avenue, St. Paul MN
Date: Jan. 25, 2012
XRF: XLp 306A, Serial #22554

Site	Num	Date/Time	Floor	Room	Wall	Side	Component	Substrate	Condition	Color	Results	PbC	Pb	Pbk	Duration	Depth	Insp
	1	1/25/2012 12:42										1.66	0.31	0.01	173.3		AM
971 FREMONT	2	1/25/2012 12:55					CALIBRATE				Neg	0.9	0.9	< LOD	5.57	1.03	AM
971 FREMONT	3	1/25/2012 12:55					CALIBRATE				Neg	0.9	0.9	< LOD	5.71	1.03	AM
971 FREMONT	4	1/25/2012 12:56					CALIBRATE				POS	1.1	1.1	< LOD	7.44	1.16	AM
971 FREMONT	5	1/25/2012 12:57					CALIBRATE				POS	1	1	< LOD	20.98	1.08	AM
971 FREMONT	6	1/25/2012 13:02	1	PORCH		A	DOOR	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	7	1/25/2012 13:03	1	PORCH		A	DOOR CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.61	AM
971 FREMONT	8	1/25/2012 13:03	1	PORCH		C	DOOR JAMB	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2	1.09	AM
971 FREMONT	9	1/25/2012 13:04	1	PORCH		C	DOOR THRESHOLD	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	2.08	AM
971 FREMONT	10	1/25/2012 13:04	1	PORCH		C	DOOR	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.28	AM
971 FREMONT	11	1/25/2012 13:04	1	PORCH		C	BASEBOARD	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.14	1	AM
971 FREMONT	12	1/25/2012 13:05	1	PORCH		A	WINDOW CASING	WOOD	POOR	VARNISH	Neg	0.13	0.13	< LOD	2.3	1.3	AM
971 FREMONT	13	1/25/2012 13:05	1	PORCH		A	WINDOW SASH	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.28	1.36	AM
971 FREMONT	14	1/25/2012 13:06	1	PORCH		A	Wndw Parting Bead	WOOD	POOR	WHITE	POS	29.1	< LOD	29.1	1.44	3.69	AM
971 FREMONT	15	1/25/2012 13:07	1	PORCH			CEILING	WOOD	FAIR	WHITE	POS	3.1	3.1	< LOD	1.29	6.67	AM
971 FREMONT	16	1/25/2012 13:07	1	PORCH			CEILING	WOOD	FAIR	WHITE	POS	3.4	3.4	2.8	2.3	5.02	AM
971 FREMONT	17	1/25/2012 13:07	1	PORCH		A	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.44	5.17	AM
971 FREMONT	18	1/25/2012 13:08	1	PORCH		B	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.72	2.78	AM
971 FREMONT	19	1/25/2012 13:08	1	PORCH		C	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.02	4.31	AM
971 FREMONT	20	1/25/2012 13:09	1	PORCH		D	WALL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.72	2.74	AM
971 FREMONT	21	1/25/2012 13:10	1	LIVING ROOM		A	WALL	WOOD	FAIR	WHITE	Neg	< LOD	0.16	< LOD	4.16	4.59	AM
971 FREMONT	22	1/25/2012 13:10	1	LIVING ROOM		B	WALL	WOOD	FAIR	WHITE	Neg	< LOD	0.14	< LOD	3.59	2.82	AM
971 FREMONT	23	1/25/2012 13:11	1	LIVING ROOM		C	WALL	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.3	2.84	AM
971 FREMONT	24	1/25/2012 13:11	1	LIVING ROOM		D	WALL	WOOD	FAIR	WHITE	Neg	< LOD	0.23	< LOD	3.73	4.68	AM
971 FREMONT	25	1/25/2012 13:12	1	LIVING ROOM			CEILING	PLASTER	FAIR	WHITE	Null	< LOD	< LOD	< LOD	1.29	3.38	AM
971 FREMONT	26	1/25/2012 13:12	1	LIVING ROOM			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	3.16	3.84	AM
971 FREMONT	27	1/25/2012 13:13	1	LIVING ROOM		A	DOOR	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	28	1/25/2012 13:13	1	LIVING ROOM		A	DOOR CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	3.15	1.01	AM
971 FREMONT	29	1/25/2012 13:14	1	LIVING ROOM		A	BASEBOARD	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.24	AM
971 FREMONT	30	1/25/2012 13:15	1	LIVING ROOM		D	WINDOW CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	3.14	1	AM
971 FREMONT	31	1/25/2012 13:15	1	LIVING ROOM		D	WINDOW SASH	VINYL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.58	1.06	AM
971 FREMONT	32	1/25/2012 13:16	1	LIVING ROOM		D	VENT	METAL	POOR	TAN	Neg	0.17	0.17	< LOD	2.15	1.11	AM
971 FREMONT	33	1/25/2012 13:16	1	DINING RM		D	VENT	METAL	POOR	TAN	Neg	< LOD	< LOD	< LOD	2	1	AM
971 FREMONT	34	1/25/2012 13:17	1	DINING RM		B	DOOR	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	35	1/25/2012 13:18	1	DINING RM		B	DOOR CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2	1.4	AM
971 FREMONT	36	1/25/2012 13:18	1	DINING RM		B	BASEBOARD	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM

All Phase Companies
971 Fremont Avenue
St. Paul MN

Site	Rd #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	PbC	PbL	PbK	Duration	Depth	Insp
971 FREMONT	37	1/25/2012 13:19	1	DINING RM		D	WINDOW CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.44	1	AM
971 FREMONT	38	1/25/2012 13:19	1	DINING RM		A	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.86	10	AM
971 FREMONT	39	1/25/2012 13:19	1	DINING RM		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.45	2.87	AM
971 FREMONT	40	1/25/2012 13:20	1	DINING RM		C	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.73	3.19	AM
971 FREMONT	41	1/25/2012 13:21	1	DINING RM		D	WALL	PLASTER	FAIR	WHITE	Neg	0.13	0.13	< LOD	4.17	3.5	AM
971 FREMONT	42	1/25/2012 13:21	1	DINING RM			CEILING	PLASTER	FAIR	WHITE	Null	< LOD	< LOD	< LOD	0.72	1.23	AM
971 FREMONT	43	1/25/2012 13:21	1	DINING RM			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	1.43	5.66	AM
971 FREMONT	44	1/25/2012 13:22	1	DINING RM			CEILING	PLASTER	FAIR	WHITE	Null	< LOD	< LOD	< LOD	0.86	1.92	AM
971 FREMONT	45	1/25/2012 13:22	1	DINING RM			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.43	2.86	AM
971 FREMONT	46	1/25/2012 13:23	1	HALL			CEILING	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	1.87	1.71	AM
971 FREMONT	47	1/25/2012 13:24	1	HALL		A	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.29	3.18	AM
971 FREMONT	48	1/25/2012 13:24	1	HALL		B	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.59	3.8	AM
971 FREMONT	49	1/25/2012 13:25	1	HALL		C	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.29	1.74	AM
971 FREMONT	50	1/25/2012 13:25	1	HALL		D	WALL	PLASTER	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.3	2.31	AM
971 FREMONT	51	1/25/2012 13:26	1	HALL		C	DOOR	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.28	1.27	AM
971 FREMONT	52	1/25/2012 13:26	1	HALL		B	DOOR	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	53	1/25/2012 13:27	1	HALL		B	DOOR CASING	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	2.87	AM
971 FREMONT	54	1/25/2012 13:27	1	HALL		B	DOOR JAMB	WOOD	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.6	AM
971 FREMONT	55	1/25/2012 13:27	1	HALL		B	CABINET	WOOD	POOR	WHITE	Neg	0.27	0.27	< LOD	2.28	2.17	AM
971 FREMONT	56	1/25/2012 13:28	1	HALL		B	BASEBOARD	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.28	2.18	AM
971 FREMONT	57	1/25/2012 13:28	1	HALL		B	CLOSET DR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	3.04	AM
971 FREMONT	58	1/25/2012 13:29	1	HALL		B	CLOSET DR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	2.32	AM
971 FREMONT	59	1/25/2012 13:29	1	HALL		B	CLOSET SHELF	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	1	AM
971 FREMONT	60	1/25/2012 13:30	1	HALL		B	CLOSET SHELF	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	1.14	1.33	AM
971 FREMONT	61	1/25/2012 13:30	1	HALL		B	CLOSET SHELF	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	2.39	AM
971 FREMONT	62	1/25/2012 13:30	1	HALL		B	Clst Shelf support	WOOD	POOR	WHITE	Neg	0.18	0.18	< LOD	2.15	1.35	AM
971 FREMONT	63	1/25/2012 13:31	1	HALL		B	CLOSET PANEL	WOOD	POOR	WHITE	Neg	0.23	0.23	< LOD	2.28	1.86	AM
971 FREMONT	64	1/25/2012 13:31	1	HALL		B	CLOSET WALL	PLASTER	POOR	WHITE	Null	< LOD	< LOD	< LOD	0.14	4.23	AM
971 FREMONT	65	1/25/2012 13:32	1	HALL		B	CLOSET WALL	PLASTER	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	1.26	AM
971 FREMONT	66	1/25/2012 13:32	1	BATHROOM		D	DOOR	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.29	1.95	AM
971 FREMONT	67	1/25/2012 13:33	1	BATHROOM		D	DOOR CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.86	5.36	AM
971 FREMONT	68	1/25/2012 13:34	1	BATHROOM		B	WINDOW SILL	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	2.33	AM
971 FREMONT	69	1/25/2012 13:34	1	BATHROOM		C	CABINET	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.78	AM
971 FREMONT	70	1/25/2012 13:35	1	BATHROOM		A	VENT	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	1.08	AM
971 FREMONT	71	1/25/2012 13:35	1	BATHROOM		A	TUB	METAL	POOR	WHITE	POS	4.1	0.6	4.1	2.72	2.03	AM
971 FREMONT	72	1/25/2012 13:36	1	BATHROOM		A	BASEBOARD	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.85	1.09	AM
971 FREMONT	73	1/25/2012 13:36	1	BATHROOM			FLOOR	VINYL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.3	1	AM
971 FREMONT	74	1/25/2012 13:37	1	BATHROOM		C	CABINET	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	3.15	1	AM
971 FREMONT	75	1/25/2012 13:38	1	BATHROOM		A	WALL	TILE	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.33	AM
971 FREMONT	76	1/25/2012 13:38	1	BATHROOM		A	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.73	3.38	AM

All Phase Companies
971 Fremont Avenue
St. Paul MN

Site	Job	Date/Time	Floor	Room	Dir	Side	Component	Substrate	Condition	Color	Result	PbC	Pb	PbC	Duration	Depth	Insp
971 FREMONT	77	1/25/2012 13:38	1	BATHROOM		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.44	5.1	AM
971 FREMONT	78	1/25/2012 13:39	1	BATHROOM		C	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.87	3.72	AM
971 FREMONT	79	1/25/2012 13:39	1	BATHROOM		D	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	3.01	5.2	AM
971 FREMONT	80	1/25/2012 13:40	1	BATHROOM			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.88	4.82	AM
971 FREMONT	81	1/25/2012 13:41	1	BEDROOM 1			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.44	3.63	AM
971 FREMONT	82	1/25/2012 13:41	1	BEDROOM 1		C	DOOR	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.16	1	AM
971 FREMONT	83	1/25/2012 13:41	1	BEDROOM 1		C	DOOR casing	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.44	4.73	AM
971 FREMONT	84	1/25/2012 13:42	1	BEDROOM 1		C	BASEBOARD	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	1.58	3.07	AM
971 FREMONT	85	1/25/2012 13:42	1	BEDROOM 1		A	WINDOW casing	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	3.41	AM
971 FREMONT	86	1/25/2012 13:43	1	BEDROOM 1		C	CLOSET dr	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	2.37	AM
971 FREMONT	87	1/25/2012 13:43	1	BEDROOM 1		C	CLOSET dr casing	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	3.05	AM
971 FREMONT	88	1/25/2012 13:44	1	BEDROOM 1		C	CLOSET dr shelf	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	1.91	AM
971 FREMONT	89	1/25/2012 13:44	1	BEDROOM 1		C	Clst Shelf support	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	1.43	1.7	AM
971 FREMONT	90	1/25/2012 13:45	1	BEDROOM 1		C	CLOSET wall	PLASTER	FAIR	WHITE	Neg	0.16	0.16	< LOD	3.44	2.49	AM
971 FREMONT	91	1/25/2012 13:45	1	BEDROOM 1		A	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.57	5.31	AM
971 FREMONT	92	1/25/2012 13:46	1	BEDROOM 1		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.43	3.26	AM
971 FREMONT	93	1/25/2012 13:46	1	BEDROOM 1		C	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.59	5.24	AM
971 FREMONT	94	1/25/2012 13:46	1	BEDROOM 1		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.72	2.71	AM
971 FREMONT	95	1/25/2012 13:47	1	BEDROOM 1		B	FLOOR	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.15	1.73	AM
971 FREMONT	96	1/25/2012 13:48	1	BEDROOM 1		D	vent	METAL	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2	1.7	AM
971 FREMONT	97	1/25/2012 13:49	1	BEDROOM 2		D	vent	METAL	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	2.08	AM
971 FREMONT	98	1/25/2012 13:49	1	BEDROOM 2		A	DOOR	WOOD	FAIR	varish	Neg	< LOD	< LOD	< LOD	2.15	1.24	AM
971 FREMONT	99	1/25/2012 13:50	1	BEDROOM 2		A	DOOR casing	WOOD	FAIR	WHITE	Neg	0.21	0.21	< LOD	3.29	3.25	AM
971 FREMONT	100	1/25/2012 13:50	1	BEDROOM 2		A	BASEBOARD	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	3.04	AM
971 FREMONT	101	1/25/2012 13:51	1	BEDROOM 2		C	WINDOW casing	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.16	2.87	AM
971 FREMONT	102	1/25/2012 13:51	1	BEDROOM 2		A	CLOSET dr	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	1.14	1.92	AM
971 FREMONT	103	1/25/2012 13:52	1	BEDROOM 2		A	CLOSET dr casing	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	2.63	AM
971 FREMONT	104	1/25/2012 13:52	1	BEDROOM 2		A	CLOSET shelf	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	3.26	AM
971 FREMONT	105	1/25/2012 13:53	1	BEDROOM 2		A	Clst Shelf support	WOOD	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	1.38	AM
971 FREMONT	106	1/25/2012 13:53	1	BEDROOM 2		A	CLOSET wall	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.28	4.3	AM
971 FREMONT	107	1/25/2012 13:54	1	BEDROOM 2		A	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.73	2.1	AM
971 FREMONT	108	1/25/2012 13:54	1	BEDROOM 2		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.3	10	AM
971 FREMONT	109	1/25/2012 13:55	1	BEDROOM 2		C	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	4.78	AM
971 FREMONT	110	1/25/2012 13:55	1	BEDROOM 2		D	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.3	3.69	AM
971 FREMONT	111	1/25/2012 13:56	1	BEDROOM 2			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	5.94	AM
971 FREMONT	112	1/25/2012 13:57	1	KITCHEN			CEILING	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	3.01	6.73	AM
971 FREMONT	113	1/25/2012 13:58	1	KITCHEN		A	WALL	PLASTER	FAIR	YELLOW	Neg	0.3	0.3	< LOD	3.44	6.51	AM
971 FREMONT	114	1/25/2012 13:58	1	KITCHEN		B	WALL	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	2.44	6	AM
971 FREMONT	115	1/25/2012 13:58	1	KITCHEN		C	WALL	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	4.43	10	AM
971 FREMONT	116	1/25/2012 13:59	1	KITCHEN		C	vent	METAL	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM

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Site	Work	Date/Time	Floor	Room	Area	Side	Component	Substrate	Condition	Color	Result	PbC	PbL	PbS	Duration	Depth	Disp
971 FREMONT	117	1/25/2012 14:00	1	KITCHEN		A	vent	METAL	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.42	3.18	AM
971 FREMONT	118	1/25/2012 14:00	1	KITCHEN			FLOOR	VINYL	FAIR	BEIGE	Neg	< LOD	< LOD	< LOD	2.29	3.14	AM
971 FREMONT	119	1/25/2012 14:01	1	KITCHEN		A	BASEBOARD	vinyl	FAIR	TAN	Neg	< LOD	< LOD	< LOD	2.29	2.7	AM
971 FREMONT	120	1/25/2012 14:01	1	KITCHEN		A	DOOR casing	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	3.15	1.31	AM
971 FREMONT	121	1/25/2012 14:02	1	KITCHEN		D	CABINET	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.14	1.02	AM
971 FREMONT	122	1/25/2012 14:02	1	KITCHEN		D	WINDOW casing	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	123	1/25/2012 14:03	1	BACK ENTRY		C	WINDOW casing	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	124	1/25/2012 14:04	1	BACK ENTRY		D	DOOR	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.28	1.69	AM
971 FREMONT	125	1/25/2012 14:04	1	BACK ENTRY		D	DOOR CASING	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	126	1/25/2012 14:05	1	BACK ENTRY		B	CLOSET DR	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.14	2.18	AM
971 FREMONT	127	1/25/2012 14:05	1	BACK ENTRY		B	CLOSET DR JMB	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	3.15	1.45	AM
971 FREMONT	128	1/25/2012 14:06	1	BACK ENTRY		B	CLOSET SHELF	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.01	1	AM
971 FREMONT	129	1/25/2012 14:06	1	BACK ENTRY		B	Clst Shelf support	WOOD	FAIR	varnish	Neg	< LOD	< LOD	< LOD	2.28	1.29	AM
971 FREMONT	130	1/25/2012 14:07	1	BACK ENTRY		B	CLOSET WALL	PLASTER	FAIR	YELLOW	Neg	0.2	0.2	< LOD	2.42	1.88	AM
971 FREMONT	131	1/25/2012 14:08	1	BACK ENTRY		A	WALL	PLASTER	FAIR	YELLOW	Null	< LOD	< LOD	< LOD	0.28	4.93	AM
971 FREMONT	132	1/25/2012 14:08	1	BACK ENTRY		A	WALL	PLASTER	FAIR	YELLOW	Null	< LOD	< LOD	< LOD	0.14	3.92	AM
971 FREMONT	133	1/25/2012 14:08	1	BACK ENTRY		A	WALL	PLASTER	FAIR	YELLOW	Null	< LOD	< LOD	< LOD	0.14	1	AM
971 FREMONT	134	1/25/2012 14:09	1	BACK ENTRY		A	WALL	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	2.73	6.02	AM
971 FREMONT	135	1/25/2012 14:09	1	BACK ENTRY		B	WALL	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	2.59	5.65	AM
971 FREMONT	136	1/25/2012 14:10	1	BACK ENTRY		C	WALL	PLASTER	FAIR	YELLOW	Neg	0.4	0.4	< LOD	4.16	5.82	AM
971 FREMONT	137	1/25/2012 14:10	1	BACK ENTRY		D	WALL	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	3.58	9.98	AM
971 FREMONT	138	1/25/2012 14:11	1	BACK ENTRY			CEILING	PLASTER	FAIR	YELLOW	Null	< LOD	< LOD	< LOD	3	10	AM
971 FREMONT	139	1/25/2012 14:11	1	BACK ENTRY			CEILING	PLASTER	FAIR	YELLOW	Neg	< LOD	< LOD	< LOD	2.59	7.41	AM
971 FREMONT	140	1/25/2012 14:12	0	STAIR			CEILING	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.72	2.98	AM
971 FREMONT	141	1/25/2012 14:12	0	STAIR		B	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.3	3.25	AM
971 FREMONT	142	1/25/2012 14:13	0	STAIR		D	WALL	PLASTER	FAIR	WHITE	Neg	< LOD	< LOD	< LOD	2.88	2.96	AM
971 FREMONT	143	1/25/2012 14:13	0	STAIR		D	WALL	WOOD	FAIR	VARNISH	Neg	< LOD	< LOD	< LOD	2.3	1	AM
971 FREMONT	144	1/25/2012 14:13	0	STAIR		C	DOOR	WOOD	FAIR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.38	AM
971 FREMONT	145	1/25/2012 14:14	0	STAIR		C	DOOR JAMB	WOOD	FAIR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	146	1/25/2012 14:15	0	RM 1		A	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.43	1.31	AM
971 FREMONT	147	1/25/2012 14:15	0	RM 1		B	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.79	AM
971 FREMONT	148	1/25/2012 14:16	0	RM 1		C	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.16	1.09	AM
971 FREMONT	149	1/25/2012 14:21	0	RM 1		D	WALL	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	150	1/25/2012 14:21	0	RM 1		B	COLUMN	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.01	1	AM
971 FREMONT	151	1/25/2012 14:21	0	RM 1		D	CABINET	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.29	2.11	AM
971 FREMONT	152	1/25/2012 14:22	0	RM 1		C	CLOSET dr	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	1.86	2.03	AM
971 FREMONT	153	1/25/2012 14:23	0	RM 1		C	CLOSET dr casing	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.16	1	AM
971 FREMONT	154	1/25/2012 14:23	0	RM 1		C	CLOSET wall	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.3	1.15	AM
971 FREMONT	155	1/25/2012 14:24	0	RM 1			FLOOR	tile	POOR	TAN	Neg	< LOD	< LOD	< LOD	2.58	1.5	AM
971 FREMONT	156	1/25/2012 14:24	0	RM 1		D	WINDOW	WOOD	POOR	TAN	POS	1.7	1.7	2.8	1.86	1.13	AM

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Site	Num	Date/Time	Floor	Room	Rm#	Side	Component	Substrate	Condition	Color	Result	PbC	PbI	PbK	Duration	Depth	Insp
971 FREMONT	157	1/25/2012 14:25	0	BATHROOM		C	DOOR	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.16	1.18	AM
971 FREMONT	158	1/25/2012 14:26	0	BATHROOM		C	DOOR casing	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	159	1/25/2012 14:26	0	BATHROOM		B	CABINET	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	160	1/25/2012 14:27	0	BATHROOM		A	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	161	1/25/2012 14:27	0	BATHROOM		B	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.15	2.92	AM
971 FREMONT	162	1/25/2012 14:27	0	BATHROOM		C	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	163	1/25/2012 14:28	0	BATHROOM		D	WALL	WOOD	POOR	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	164	1/25/2012 14:28	0	BATHROOM		D	BASEBOARD	vinyl	INTACT	BROWN	Neg	< LOD	< LOD	< LOD	2.44	1	AM
971 FREMONT	165	1/25/2012 14:29	0	BATHROOM			FLOOR	vinyl	INTACT	TAN	Neg	< LOD	< LOD	< LOD	2.42	1	AM
971 FREMONT	166	1/25/2012 14:29	0	BATHROOM		B	CABINET	METAL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.04	AM
971 FREMONT	167	1/25/2012 14:30	0	LAUNDRY RM		B	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.28	1	AM
971 FREMONT	168	1/25/2012 14:31	0	LAUNDRY RM		C	WALL	DRYWALL	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	1	AM
971 FREMONT	169	1/25/2012 14:31	0	LAUNDRY RM		B	WINDOW	WOOD	POOR	TAN	POS	2.1	2.1	< LOD	1.72	1.1	AM
971 FREMONT	170	1/25/2012 14:32	0	LAUNDRY RM		B	CLOSET DR	WOOD	POOR	WHITE	POS	2.2	2.2	2.4	2.28	2.12	AM
971 FREMONT	171	1/25/2012 14:32	0	LAUNDRY RM		B	CLOSET DR CASING	WOOD	POOR	WHITE	POS	2	2	< LOD	2.29	2.53	AM
971 FREMONT	172	1/25/2012 14:33	0	LAUNDRY RM		B	CLOSET SHELF	WOOD	POOR	GREEN	Neg	< LOD	< LOD	< LOD	2.15	1.09	AM
971 FREMONT	173	1/25/2012 14:35	1	STAIR		A	DOOR CASING	WOOD	POOR	VARNISH	Neg	< LOD	< LOD	< LOD	2.3	1.19	AM
971 FREMONT	174	1/25/2012 14:35	1	STAIR		A	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.14	2.15	AM
971 FREMONT	175	1/25/2012 14:36	2	STAIR		B	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.3	1	AM
971 FREMONT	176	1/25/2012 14:36	2	STAIR		C	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	3.16	1	AM
971 FREMONT	177	1/25/2012 14:36	2	STAIR		D	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.28	1	AM
971 FREMONT	178	1/25/2012 14:37	2	STAIR			CEILING	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2	1	AM
971 FREMONT	179	1/25/2012 14:38	2	STAIR		C	WINDOW CASING	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.28	AM
971 FREMONT	180	1/25/2012 14:38	2	STAIR		C	WINDOW SASH	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.35	AM
971 FREMONT	181	1/25/2012 14:39	2	STAIR		C	Wndw Parting Bead	WOOD	POOR	WHITE	POS	23.9	< LOD	23.9	0.72	2.18	AM
971 FREMONT	182	1/25/2012 14:39	2	STAIR		C	Wndw Parting Bead	WOOD	POOR	WHITE	POS	22.8	10.1	22.8	1.43	2.19	AM
971 FREMONT	183	1/25/2012 14:40	2	HALL		D	DOOR	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1.27	AM
971 FREMONT	184	1/25/2012 14:41	2	HALL		D	DOOR CASING	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.01	1	AM
971 FREMONT	185	1/25/2012 14:41	2	HALL		D	BASEBOARD	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	186	1/25/2012 14:42	2	HALL		B	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	3.01	1.54	AM
971 FREMONT	187	1/25/2012 14:42	2	HALL		A	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.3	1.16	AM
971 FREMONT	188	1/25/2012 14:42	2	HALL		C	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	189	1/25/2012 14:43	2	HALL		D	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.01	1	AM
971 FREMONT	190	1/25/2012 14:43	2	HALL			CEILING	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.01	1.1	AM
971 FREMONT	191	1/25/2012 14:44	2	BEDROOM 3			CEILING	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.3	1	AM
971 FREMONT	192	1/25/2012 14:44	2	BEDROOM 3		A	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.42	1	AM
971 FREMONT	193	1/25/2012 14:45	2	BEDROOM 3		B	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.14	1	AM
971 FREMONT	194	1/25/2012 14:45	2	BEDROOM 3		C	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	1.99	1	AM
971 FREMONT	195	1/25/2012 14:45	2	BEDROOM 3		D	WALL	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	196	1/25/2012 14:46	2	BEDROOM 3		D	BASEBOARD	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	3.15	1	AM

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Site	XRF #	Date/Time	Floor	Room	Rm #	Side	Component	Substrate	Condition	Color	Results	Pb	Pb	Pb	Duration	Depth	Insp
971 FREMONT	197	1/25/2012 14:46	2	BEDROOM 3		B	DOOR	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	198	1/25/2012 14:47	2	BEDROOM 3		B	DOOR jamb	WOOD	INTACT	VARNISH	Neg	< LOD	< LOD	< LOD	2.15	4.15	AM
971 FREMONT	199	1/25/2012 14:47	2	BEDROOM 3		B	RADIATOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	200	1/25/2012 14:48	2	BEDROOM 4		C	RADIATOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	201	1/25/2012 14:49	2	BEDROOM 4		B	DOOR	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	1.86	1.03	AM
971 FREMONT	202	1/25/2012 14:49	2	BEDROOM 4		B	DOOR jamb	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.01	1	AM
971 FREMONT	203	1/25/2012 14:49	2	BEDROOM 4		B	BASEBOARD	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.14	1	AM
971 FREMONT	204	1/25/2012 14:50	2	BEDROOM 4		B	CLOSET wall	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.14	1.87	AM
971 FREMONT	205	1/25/2012 14:50	2	BEDROOM 4		A	WALL	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2	1	AM
971 FREMONT	206	1/25/2012 14:51	2	BEDROOM 4		B	WALL	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	207	1/25/2012 14:51	2	BEDROOM 4		C	WALL	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	208	1/25/2012 14:52	2	BEDROOM 4		D	WALL	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	209	1/25/2012 14:52	2	BEDROOM 4			CEILING	WOOD	INTACT	varnish	Neg	< LOD	< LOD	< LOD	2.29	1	AM
971 FREMONT	210	1/25/2012 14:53	2	BEDROOM 4		A	WINDOW casing	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.75	AM
971 FREMONT	211	1/25/2012 14:53	2	BEDROOM 4		A	WINDOW sash	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.29	1.55	AM
971 FREMONT	212	1/25/2012 14:54	2	BEDROOM 4		A	Wndw Parting Bead	WOOD	POOR	WHITE	POS	23	10.1	23	1.44	2.74	AM
971 FREMONT	213	1/25/2012 14:56		OUTSIDE		A	DOOR	WOOD	POOR	WHITE	POS	26	10.1	26	1.43	4.89	AM
971 FREMONT	214	1/25/2012 14:56		OUTSIDE		A	DOOR jamb	WOOD	POOR	WHITE	POS	22.3	< LOD	22.3	1.43	6.39	AM
971 FREMONT	215	1/25/2012 14:57		OUTSIDE		A	DOOR threshold	WOOD	POOR	grey	POS	16.2	9.3	16.2	1.57	3.58	AM
971 FREMONT	216	1/25/2012 14:58		OUTSIDE			TREAD	CONCRETE	POOR	grey	Neg	< LOD	< LOD	< LOD	2.29	1.14	AM
971 FREMONT	217	1/25/2012 14:59		OUTSIDE		A	rail	METAL	POOR	black	Neg	0.24	0.24	< LOD	2.15	1.06	AM
971 FREMONT	218	1/25/2012 15:00		OUTSIDE		A	foundation	CONCRETE	POOR	grey	POS	1.4	0.3	1.4	9.27	1.75	AM
971 FREMONT	219	1/25/2012 15:00		OUTSIDE		A	WINDOW casing	METAL	INTACT	WHITE	POS	17.4	< LOD	17.4	1.58	10	AM
971 FREMONT	220	1/25/2012 15:01		OUTSIDE		A	WINDOW casing	METAL	INTACT	WHITE	Null	< LOD	< LOD	< LOD	0.71	10	AM
971 FREMONT	221	1/25/2012 15:01		OUTSIDE		A	WINDOW casing	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	1.14	7.74	AM
971 FREMONT	222	1/25/2012 15:01		OUTSIDE		A	WINDOW casing	METAL	INTACT	WHITE	POS	3.9	< LOD	3.9	2.42	10	AM
971 FREMONT	223	1/25/2012 15:01		OUTSIDE		B	WINDOW casing	METAL	INTACT	WHITE	POS	20.4	< LOD	20.4	1.57	10	AM
971 FREMONT	224	1/25/2012 15:02		OUTSIDE		D	WINDOW casing	METAL	INTACT	WHITE	POS	20.1	< LOD	20.1	1.44	10	AM
971 FREMONT	225	1/25/2012 15:03		OUTSIDE		A	soffit	METAL	INTACT	WHITE	POS	7.2	< LOD	7.2	1.73	10	AM
971 FREMONT	226	1/25/2012 15:03		OUTSIDE		A	soffit	METAL	INTACT	WHITE	POS	15.7	< LOD	15.7	1.57	10	AM
971 FREMONT	227	1/25/2012 15:03		OUTSIDE		A	siding	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.16	1	AM
971 FREMONT	228	1/25/2012 15:04		OUTSIDE		B	siding	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.46	AM
971 FREMONT	229	1/25/2012 15:05		OUTSIDE		D	siding	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	3.15	1.52	AM
971 FREMONT	230	1/25/2012 15:05		OUTSIDE		C	siding	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1.56	AM
971 FREMONT	231	1/25/2012 15:06		OUTSIDE		D	DOOR	WOOD	POOR	WHITE	POS	25.4	< LOD	25.4	1.44	3.77	AM
971 FREMONT	232	1/25/2012 15:06		OUTSIDE		D	DOOR jamb	WOOD	POOR	WHITE	POS	25.9	< LOD	25.9	1.43	3.06	AM
971 FREMONT	233	1/25/2012 15:07		OUTSIDE		D	DOOR threshold	WOOD	POOR	grey	POS	17.1	10.1	17.1	1.72	3.28	AM
971 FREMONT	234	1/25/2012 15:08		GARAGE		A	WINDOW	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	6.71	AM
971 FREMONT	235	1/25/2012 15:08		GARAGE		A	WINDOW	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	236	1/25/2012 15:08		GARAGE		A	WINDOW casing	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.58	1	AM

All Phase Companies
971 Fremont Avenue
St. Paul MN

Site	Sample #	Wipe Date/Time	Floor/Ground	Room	Side	Component	Substrate	Condition	Color	Result	Pb	Pb	Pb	Duration	Depth	Insp
971 FREMONT	237	1/25/2012 15:09	GARAGE		A	TRIM	METAL	INTACT	WHITE	POS	15.1	< LOD	15.1	1.58	10	AM
971 FREMONT	238	1/25/2012 15:09	GARAGE		D	DOOR	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.15	1	AM
971 FREMONT	239	1/25/2012 15:10	GARAGE		D	DOOR jamb	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.01	2.54	AM
971 FREMONT	240	1/25/2012 15:10	GARAGE		D	WINDOW sill	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	2.29	2.01	AM
971 FREMONT	241	1/25/2012 15:11	GARAGE		D	WINDOW sjamb	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	2.14	3.47	AM
971 FREMONT	242	1/25/2012 15:11	GARAGE		D	WINDOW sash	WOOD	POOR	WHITE	Neg	< LOD	< LOD	< LOD	3.29	1	AM
971 FREMONT	243	1/25/2012 15:12	GARAGE		C	DOOR jamb	METAL	INTACT	WHITE	Neg	< LOD	< LOD	< LOD	4.15	1	AM
971 FREMONT	244	1/25/2012 15:15				calibrate				Neg	0.9	0.9	< LOD	13.18	1.05	AM
971 FREMONT	245	1/25/2012 15:15				calibrate				POS	1.1	1.1	< LOD	7.71	1.13	AM
971 FREMONT	246	1/25/2012 15:16				calibrate				Null	1	1	< LOD	8.15	1.13	AM

Description of Column Titles

Site: The sequential number of the site (homes or buildings) inspected on a particular day.

No: The sequential XRF sample number for a given site.

XL No/Map: The sample number recorded on the maps of a particular site.

Date: Date that the XRF sample was analyzed.

Time: Time of XRF sample analysis.

Floor: The sample location floor level (0 = basement, 1 = first floor, 2 = second floor).

Room: The specific location where the sample was analyzed on the site. Calibrate is also recorded in this column when appropriate.

Side: Side of the room based on sampling methodology as described earlier in this report. The only four sides that can be designated are **A, B, C,** and **D.**

Structure: This refers to the general building component that the test was performed on. It may also include modifications such as: upper, lower, exterior, interior, right, and left.

Feature: Specifies additional information about a structure.

Condition: Describes whether the surface being tested is **Intact:** good condition; **Fair:** less than 2 square feet of damage to large interior surface, i.e., wall, less than 10 square feet of damage to large exterior surface, i.e., outside walls, or less than 10% damage to small surface areas, i.e., baseboards, trim, etc.; **Poor:** more than 2 square feet of damage on large interior surfaces, more than 10 square feet of damage to large exterior surface areas, or more than 10% damage to small surface areas.

Substrate: Refers to the material that the structure was made of, i.e., wood, concrete, drywall, etc.

Color: Color of surface tested.

Result: The lead concentration in mg/cm^2 as determined with L-shell and K-shell X-ray data.

PbL(mg/cm^2): The lead concentration as determined with L-shell X-ray data.

RES: Results: POS - above action level, NEG - below action level.

PbK: The lead concentration in mg/cm^2 on the K-shell X-ray data spectrum.

PbC: The combined lead concentration in mg/cm^2 of the L-shell and K-shell X-ray data spectrum.

Depth: This is the index that is a qualitative indication of the depth of the lead in paint. As the number approaches 1, the lead is concentrated close to the top layers of paint. The largest number available for depth index is 10. The greater the number, the more likely interfering elements may have been detected.

Duration: The length of the XRF sample analysis in seconds.

Inspector: When multiple inspectors are used, this number indicates who sampled at the time indicated.

Note: This refers to any notes that were collected during the analysis of the particular sample. Then can be found on the field data sheet titled "Lead-Based Paint Inspection Data Page."

SAMPLING METHODOLOGY

Buildings were systematically inspected for lead-based paints. The **A** side of the building is the side facing the street. Starting from the **A** side, the other sides are lettered consecutively (**B, C, D**), going clockwise around the building.

Inside the unit, each floor was assigned a number starting with **0** for the basement, **1** for the first floor, and **2** for the second floor.

Some rooms that are unique in the building are named on the inspection report. These would include things like pantry, kitchen, halls, bathrooms, and staircases. If there is more than one of a certain type of named room, then they are numbered (e.g., staircases to basements are numbered staircase 1, while staircases to the second floor are labeled staircase 2). Room numbering starts in the **A-D** corner of the building and continues clockwise from that point.

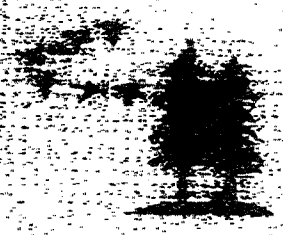
Within each room of the building, each of the sides of the room are named. The naming of walls in a room, for instance, follows the same pattern as that used on the exterior of the building, namely, the street side of each room is labeled **A**, and then clockwise from that wall, walls are labeled **B, C, D**.

APPENDIX B

XRF TEST RESULTS
SAMPLING MAPS
DATA PAGES
CALIBRATION DATA

APPENDIX C

LABORATORY RESULTS
CHAIN-OF-CUSTODY



Andrew J. Myers

has completed the Minnesota Approved Lead Training course entitled:

Lead Based Paint Risk Assessor Training

June 25-26, 2001

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008

- SUCCESSFULLY PASSED THE EXAMINATION ON JUNE 26, 2001, IN MINNEAPOLIS, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRA 0111
Expiration Date: June 26, 2002
MDH Permit #: RA-002

Course Director

Director, Env. Health Div.

MDH LEAD
Risk Assessor

Licensed by:
State of Minnesota
Department of Health

License No. LR284
Expires 08/26/2012

Greg A Myers
19867 Salmonson River Rd
Mora, MN 55051

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0112 H 971 Fremont Ave, St. Paul, MN**

Customer ID: MIDW56
Customer PO: cc/182793
Received: 01/17/12 8:30 AM
EMSL Order: 351200253

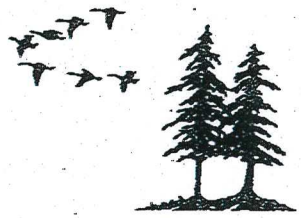
EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	Area Sampled	RDL	Lead Concentration	Notes
0001	1/18/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Living Room Floor by Front door (A)
Client Sample 502/0112 H W1					*Collected:* 1/16/2012
0002	1/18/2012	36 in²	600 µg/ft²	<600 µg/ft²	Site: Window Sill Living room (Side D)
Client Sample 502/0112 H W2					*Collected:* 1/16/2012
0003	1/18/2012	144 in²	10 µg/ft²	690 µg/ft²	Site: Kitch Floor by back entry
Client Sample 502/0112 H W3					*Collected:* 1/16/2012
0004	1/18/2012	36 in²	40 µg/ft²	190 µg/ft²	Site: Bedroom 1 Window Trough (A)
Client Sample 502/0112 H W4					*Collected:* 1/16/2012
0005	1/18/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Bedroom 1 Floor under Window
Client Sample 502/0112 H W5					*Collected:* 1/16/2012
0006	1/18/2012	36 in²	40 µg/ft²	<40 µg/ft²	Site: Bedroom 2 Window Sill ('C)
Client Sample 502/0112 H W6					*Collected:* 1/16/2012
0007	1/18/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Bedroom 2 Floor Under Window
Client Sample 502/0112 H W7					*Collected:* 1/16/2012
0008	1/18/2012	36 in²	2000 µg/ft²	84000 µg/ft²	Site: Bedroom 3 (upstairs) Window trough (A)
Client Sample 502/0112 H W8					*Collected:* 1/16/2012

Initial report from 01/18/2012 14:27:20

Rachel Travis, Laboratory Manager
or other approved signatory



Andrew J. Myers

has completed the Minnesota-Approved Lead Training course entitled:

Lead Risk Assessor Refresher Training

August 25, 2011

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008
Phone: 763.691.0111

SUCCESSFULLY PASSED THE EXAMINATION ON August 25, 2011, IN Cambridge, MINNESOTA

IDENTIFICATION NUMBER: MEC/LRAR 0847
Expiration Date: August 25, 2012
MDH Permit Number: RAR-006

Course Director/Primary Instructor

Approved by the State of Minnesota under Minnesota Rules, parts 4761.2000 to 4761.2700.

I-0031

Lead Inspector Independent Examination

121 East Seventh Place, Suite 220 • St. Paul • Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Inspector

March 22, 2001
Morris, Minnesota

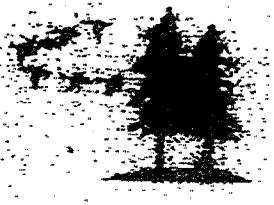
This certificate is nontransferable.

Patricia A. Bloomgren

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

Andrew J. Myers



has completed the Minnesota-Approved Lead Training course entitled:

Initial Lead Inspector Training
March 12-14, 2001

given by

Midwest Environmental Consulting, L.L.C.
145 - 2nd Avenue SE, Cambridge, MN 55008

SUCCESSFULLY PASSED THE EXAMINATION ON MARCH 14, 2001, IN MORRIS, MINNESOTA

IDENTIFICATION NUMBER: MECA LI 0053
Expiration Date: March 14, 2002
MDH Permit No: LI - 603

Course Director

MINNESOTA
MDH
DEPARTMENT OF HEALTH

RA-0239

Lead Risk Assessor Independent Examination

121 East Seventh Place, Suite 220 • St. Paul, Minnesota 55101 • (651) 215-0700

This certifies that

Andrew Myers

has successfully passed the required independent examination for:

Lead Risk Assessor

June 26, 2001
Minneapolis, Minnesota

This certificate is nontransferable.

Jan K. Malcom
Commissioner

Patricia A. Bloomgren, Director
Division of Environmental Health

EMSL Analytical, Inc.
14375 23rd Avenue North, Minneapolis, Mn 55447
Phone: (763) 449-4922 Fax: (763) 449-4924 Email: minneapolislab@emsl.com

Attn: **Greg Myers**
Midwest Environmental Consulting, L.L.C.
125 Railroad Ave SW

Mora, MN 55051

Fax: (763) 691-0145 Phone: (763) 691-0111
Project: **502/0112 H 971 Fremont Ave, St. Paul, MN**

Customer ID: MIDW56
Customer PO: cc/182793
Received: 01/17/12 8:30 AM
EMSL Order: 351200253

EMSL Proj:

Test Report: Lead in Dust by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	*Analyzed*	*Area Sampled*	*RDL*	*Lead Concentration*	*Notes*
0009	1/18/2012	144 in²	10 µg/ft²	55 µg/ft²	Site: Bedroom 3 Floor under Window
Client Sample 502/0112 H W9					*Collected:* 1/16/2012
0010	1/18/2012	144 in²	10 µg/ft²	37 µg/ft²	Site: Basement Floor bottom of Stairs
Client Sample 502/0112 H W10					*Collected:* 1/16/2012
0011	1/18/2012	144 in²	10 µg/ft²	<10 µg/ft²	Site: Kitch Floor
Client Sample 502/0112 H W11					*Collected:* 1/16/2012

Initial report from 01/18/2012 14:27:20

Rachel Travis, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. ug/wipe = ug/ft2 x area sampled in ft2. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities (such as volume sampled) or analytical method limitations. Samples received in good condition unless otherwise noted. QC data associated with this sample set is within acceptable limits, unless otherwise noted. The lab is not responsible for data reported in µg/ft² which is dependant on the area provided by non-lab personnel. The test results contained within this report meet the requirements of NELAC unless otherwise noted. * slight modifications to methods applied.

Samples analyzed by EMSL Analytical, Inc. Minneapolis, Mn AIHA-LAP, LLC ELLAP 163162

237

Midwest Environmental Consulting, L.L.C.
125 Railroad Avenue SW • Mora, MN 55051
763-691-0111 / 320-679-4054
Fax: 763-691-0145 / 320-679-4442

Client Address:
Contact: Greg Myers

CHAIN OF CUSTODY

Project Number: SD2/0112 H
Client: AlPhase / St. Paul
Project: 971 Fremont Ave, St. Paul, MN
Phone/Fax:

Sample ID	Sample Description	Collection Date/Time	Matrix (Vol./Area)	Analysis Requested
SD2/0112H W1	Living room Floor by Front door (A)	1/16/12 4:00	12 x 12 in	Pb ug/ft²
W2	Window sill living room (side D)	↓	18 x 2 in	↓
W3	Kitch Floor by back entry		12 x 12 in	
W4	Bedroom 1 window trough (A)		18 x 2 in	
W5	Bedroom 1 Floor under window		12 x 12 in	
W6	Bedroom 2 window sill (C)		18 x 2 in	
W7	Bedroom 2 Floor under window		12 x 12 in	
W8	Bedroom 3 (upstairs) window trough (A)		18 x 2 in	
W9	Bedroom 3 Floor under window		12 x 12 in	
W10	Basement Floor bottom of stairs		12 x 12 in	
W11	Kitch Floor	↓	12 x 12 in	↓

Sampled by: Greg Myers Date: 1/16/12 Time: 4:00 - 4:10 Delivered by: Greg Myers Date: 1/17/12 Time: 8:20 a
Received by: [signature] Date: 1/17/12 Time: 8:29 WT Delivered by: Date: Time:
Received by Lab: Date: Time: Disposition of Samples:
Notes: Required field blank(1) included Only ASTM wipes used
Please analyze @ 48 hour turnaround

381200253